

(WCCN-2025)

World Catalysis and Chemical Engineering Network Congress

April 23-25
2025

Las Vegas, USA

Theme: Advanced Research and Techniques on Catalysis and Chemical Sciences

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Keynote Presentations

Bo-Qing Xu

Tsinghua University, China

Title : Precious Metal-Efficient Heterogeneous Catalysts for Thermal and Electro Catalysis

Thomas Webster

Hebei University of Technology,
United States

Title : How Have We Eliminated Infection ? Nanotechnology Human Clinical Studies

Alexander G. Ramm

Kansas State University, USA

Title : Biogas: Usefulness, existing technology and major hurdles

Dai-Yeun Jeong

Director of Asia Climate Change Education
Center, South Korea

Title : How to Overcome the Limitations Inherent in Sustainable Development

Osman Adiguzel

Firat University, Turkey

Title : Dual Memory Characteristics and Crystallographic Transformations in Shape Memory Alloys

Eleonora Aneggi
University of Udine, Italy

Title : Enhanced heterogeneous Fenton degradation for liquid waste treatment

Keynote Presentation slots are available

Oral Presentations

Suresh C Ameta
Energy Research Institute, India

Title : Promotion and implementation of bioenergy for a better environment

Tokeer Ahmad
Jamia Millia Islamia, India

Title : Removal of Perfluorooctanoate (PFOA) by Optimized Camelina Meal Biochar Using Central Composite Design-Response Surface Methodology (CCD-RSM)

Ilkhom
Institute of Polymer Chemistry,
Uzbekistan

Title : Carboxymethyl cellulose/sericine graft copolymers obtaining, structure and properties

Mikhail Kashchenko
Ural Federal University, Russia

Title : Adsorption of azo dyes using ZnO/SiO₂ Hybrid Aerogels and Xerogels

Seongwoo Woo
Ethiopian Technical University, Ethiopia

Title : Improving the Fatigue Design of Mechanical Systems such as Refrigerator

Lazhar Hajji

Institute of Analysis and Research of
Physico-Chemical, Tunisia

Title : Needs of Ruthenium complexes as anticancer drugs

Muhammad Tayyab

Tsinghua Shenzhen International
Graduate School, China

Title : Hydrogen production with the selective oxidation of benzyl alcohol to benzaldehyde in aqueous medium by a noble-metal-free photocatalyst VC/CdS nanowires

Shivangi

University of Saskatchewan, Canada

Title : Removal of Perfluorooctanoate (PFOA) by Optimized Camelina Meal Biochar Using Central Composite Design-Response Surface Methodology (CCD-RSM)

Rahul Hajare

Sandip University, India

Title : An organized analysis of several plant source medicine that may be successful in Sars Cov-2/Covid-19 inhibition using in silico analysis

Stephen Okiemute Akpasi

Durban University of Technology,
South Africa

Title : CO₂ methanation over Ni-7%Mo/AC

Yacob Mathai Kunnathazhath

Marma Health Centre, India

Title : Paracetamol is the most unscientific and dangerous drug for fever. Anyone can create a fever within hours using antipyretic objects

Joanna Drzeżdżon

University in Gdańsk, Poland

Title : Modification of poly(2-chloro-2-propen-1-ol) with ethylenediamine towards the novel material morphology and CO₂ sorption properties

Ashanendu Mandal
University of Calcutta, India

Title : Potential application of innovative solid waste materials for adsorptive removal of toxic phenol from wastewater and generating circular economy

Delia Teresa Sponza
Dokuz Eylul University, Turkey

Title : Biodegradation of microplastics namely polystyrene, polyester polyurethane, and polyethylene with metal organic framework based UiO-66-OH@MF-3 nanocomposite

Mikhail Kashchenko
Ural Federal University, Russia

Title : Preparation of Nano-Particle Adsorbents for Waste Water Treatment

Naveen Kulkarni
Quantumzyme LLP, India

Title : Novel enzymatic route for industrial aldehyde oxidation; a key step towards green chemistry

Yarcely Alexandria Rodriguez Lucart
University of Talca, Chile

Title : RL-4: An Aminoquinone Derivative with Anti-migratory and Anti-proliferative Effects on Breast Cancer Cell line MDA-MB-231

Ademola Bolanle Raheem
University of Port-Harcourt, Nigeria

Title : Effective and green catalysts for the chemical depolymerisation of polyethylene terephthalate plastic bottle waste into its monomers and other products

Babayeva Farida
Institute of Petrochemical
Processes named after academician
Yu.G.Mamedaliyev, Azerbaijan

Title : Mechanism of methane activation on M,ReOx/Al₂O₃ catalysts

Omvir Singh

Rajiv Gandhi Institute of Petroleum
Technology, India

Title : Production of Aromatic Hydrocarbons from Long Chain

Shoban Babu M

Government College Of Technology, India

Title : Self-humidified operation of TiO₂ -doped Pt/C catalyst for
PEM fuel cell operation

Mikhail Kashchenko

Ural Federal University, Russia

Title : The Mechanism of Low-Temperature Nuclear Fusion,
Generalizing the Ideology of Muonic Catalysis

Oral Presentation slots are available

Poster Presentation**Chi Wing Tsang**

Technological and Higher Education
Institute of Hong Kong, Hong Kong

Title : Enhanced Hydrogen Generation via Atomically Dispersed
CoCu Catalysts Supported on Carbon Nanotubes for Ammonia
Borane Hydrolysis

Poster Presentation slots are available