

22nd Edition of Global Conference on Catalysis & Reaction Engineering

Theme: *Advancing Catalysis
& Chemical Engineering:
From Principles to Practice*



05-07TH
OCTOBER
2026

Our SCIENTIFIC COMMITTEE MEMBERS



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Sorbonne University, France



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Jamia Millia Islamia, India



RAM SAMBHAR SHUKLA
CSIR-Central Salt and Marine Chemicals
Research Institute (CSMCRI), India

Scientific TOPICS

- Catalysis for Energy
- Chemical Engineering
- Heterogeneous Catalysis
- Environmental Catalysis
- Fluid Mechanics
- Petrochemical Engineering
- Green and Sustainable Chemistry
- Catalysis for Renewable Sources
- Catalysis for Biorefineries
- Advances in Catalysis and Chemical Engineering
- Biocatalysis and Biotransformation
- Surface Chemistry: Colloid and Surface aspects
- Computational Catalysis
- Homogeneous Catalysis
- Industrial Catalysis
- Organocatalysis
- Separation Processes
- Enzymatic Catalysis and Microbial Technology

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VENUE

Hilton Tokyo Narita Airport, 456
Kosuge Narita City Chiba 286-0127,
Tokyo, Japan

Title: Application of vanadium, tantalum and chromium single-site zeolite catalysts in catalysis
Stanislaw Dzwigaj, Sorbonne University, France

Title: Nanomaterials to fight cancer, cysts, infection, and numerous other health ailments: Human data

Thomas J Webster, Brown University, United States

Title: The Concept and Implications of Low Carbon Green Growth

Dai Yeun Jeong, Asia Climate Change Education Center, Korea, Republic of

Title: Personalized and Precision Medicine (PPM) as a unique healthcare model via bi-odesign, bio- and chemical engineering, translational applications, and upgraded business modeling to secure the human healthcare and biosafety

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation

Title: Influence of various catalysts on H₂ enhancement and CO₂ capture during syngas upgrading
Enrico Paris, CREA-IT & DIAEE, Italy

Title: Advanced nanostructures for carbon neutrality and sustainable H₂ energy

Tokeer Ahmad, Jamia Millia Islamia, India

Title: Advances in heterogeneous catalysis for green conversion of propene to aldehydes and alcohols

Ram Sambhar Shukla, CSIR-Central Salt and Marine Chemicals Research Institute (CSMCRI), India

Title: Single cell RNA sequencing reveals vascular heterogeneity and immune crosstalk in the glioma blood tumor barrier

Ling Yin, Cornell University, United States

Title: Reversible redox dynamics of cocatalysts underpinning photocatalysis for solar hydrogen production

Zheng Li, University of Calgary, Canada

Title: The Fe PNP 15 H₂O catalyst reduction catalytic test and its valorisation as acid catalyst to the methylal synthesis

Rabeharitsara Andry Tahina, GPCI-ESPA Antananarivo University, Madagascar

Title 1: Oxidation of methane to methanol over pairs of transition metal ions stabilized in the zeolite matrices

Title 2: Distant binuclear vanadium V(II) cationic sites in zeolites and their reactivity

Jiri Dedecek, J Heyrovsky Institute of Physical Chemistry, Czech Republic

Title: Dimethyl ether synthesis from syngas over Cu-Zn/Al₂O₃ catalysts prepared using the Sol-Gel method

Uday Som, Research and Development Engineer, Japan

Title: Photoaligned azodye nanolayers : New nanotechnology for liquid crystal devices

Vladimir G Chigrinov, Hong Kong University of Science and Technology, Russian Federation

Title: Antibody-proteases as a generation of unique biomarkers, biocatalysts, potential targets and translational tools towards nanodesign-driven biochemical engineering and precision medical practice

Sergey Suchkov, N.D. Zelinskii Institute for Organic Chemistry of the Russian Academy of Sciences, Russian Federation

Title: Memory characteristics and diffusionless phase transformations in shape memory alloys

Osman Adiguzelm, Firat University, Turkey

Title: Development of specialty amines derived from acrylonitrile: A case study of N,N-dimethyl-1,3-propanediamine

Chen Wu, Institute of Zhejiang University, China

Title: Reusable clay Cu catalysts: Green routes to key organic transformations

Bashir Ahmad Dar, University of Kashmir, India

Title: A model fitting approach for the investigation of thermo kinetic parameters of rice straw – A viable renewable energy resource in Bangladesh

Abu Md Mehdi Hassan, Lincoln University College, Malaysia

Title: A facile highly selective colorimetric detection of Pb²⁺ ions using gold nanoparticles as a probe and its application in real samples analysis

Manjushree Bhattacharyya, Vidyasagar University, India

Title: Enzymatic pre-treatment of red meat abattoir effluent to reduce fat, oil, and grease while enhancing biogas generation

Mabatho Moreroa, University of South Africa, South Africa

Oral and Poster presentations slots are available!!