magnus Group

22ND EDITION OF

INTERNATIONAL CONFERENCE ON

CATALYSIS, CHEMICAL ENGINEERING AND TECHNOLOGY

HYBRID EVENT

21-23 JUNE 2027

COME AND JOIN US IN:

ROME, ITALY OR VIRTUALLY

TENTATIVE PROGRAM

CONFERENCE TOPICS

- Heterogeneous Catalysis
- Catalysis for Energy
- Industrial Catalysis
- Photocatalysis and Electrocatalysis
- Petrochemical Engineering
- Environmental Catalysis
- Catalysis for Renewable Sources
- Nano-Catalysis
- Computational Catalysis
- Reaction Engineering and Kinetics

Theme:

Advancing Catalysis and Chemical Engineering for a Sustainable Future

+1 (702) 988-2320 +1 (540) 709-1879 | https://catalysis-conferences.com/

Keynote Speakers



Samy Ponnusamy
MilliporeSigma, United States



Stanislaw Dzwigaj
Sorbonne University, France



Enrico Paris
CREA-IT, Italy



Gustaaf Schoukens
Ghent University, Belgium



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



Vladislav Sadykov
Boreskov Institute of Catalysis, Russia



Dai-Yeun Jeong
Asia Climate Change Education Center, South Korea



Praveen Dahiya
Amity University Uttar Pradesh, India

TENTATIVE

PROGRAM

KEYNOTE PRESENTATIONS

Samy Ponnusamy, MilliporeSigma, United States

Title: DOZN™3.0 - A quantitative green chemistry evaluator for a sustainable future

Stanislaw Dzwigaj, Sorbonne University, France

Title: Application of vanadium and tantalum single-site zeolite catalysts in heterogeneous catalysis

Enrico Paris, CREA-IT, Italy

Title: Will be Updated Shortly

Gustaaf Schoukens, Ghent University, Belgium

Title: Will be Updated Shortly

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

Title: Towards integrated biodesign-inspired translational platforms to co-develop innovative biotechnologies, biomanufacturing and biomarketing to revolutionize the future of the personalized & precision healthcare and life science bioindustry

Vladislav Sadykov, Boreskov Institute of Catalysis, Russia

Title: Nanocomposite materials for structured catalysts of fuels reforming, catalytic layers in membrane reactors for oxygen and hydrogen separation and fuel cell anodes operating in the internal reforming mode

Dai-Yeun Jeong, Asia Climate Change Education Center, South Korea

Title: Indicators for evaluating green management practice of enterprises

Praveen Dahiya, Amity University Uttar Pradesh, India

Title: Green nanobiocatalysts for sustainable ester production: Advancing lipase immobilization and process optimization

ORAL PRESENTATIONS

Oluwaseun Akinrinde, University of South Florida, United States

Title: Solar-driven selective propylene oxidation over size- and core-controlled copper oxide catalysts

Alexander Valyaev, Nuclear Safety Institute of the Russian Academy of Sciences, Russia

Title: Nuclear risks and damages in Europe

Maria Parfenova, Institute of Physical Materials Science, Russia

Title: Transformation of Scheil reaction scheme into the scheme of horizontal complexes and ruled surfaces: Computer models of T-x-y diagrams for catalytic materials

Natalia Pozdnyakova, Institute of Biochemistry and Physiology of Plants and Microorganisms, Russia

Title: Yellow laccases of white rot fungi Pleurotus ostreatus var. Florida and Schizophyllum commune: Catalytic properties and biotechnological potential

TENTATIVE

PROGRAM

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

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

Jenia Georgieva, Rostislaw Kaischew Institute of Physical Chemistry, Bulgaria

Title: Pt-Co/C catalysts for the oxygen reduction reaction: Effect of composition and preparation conditions

Sujit Kumar Bandyopadhyay, Variable Energy Cyclotron Centre, India

Title: Role of particle irradiation in materials science

Narendra Nirwan, Samrat Prithviraj Chauhan Government College, India

Title: Amberlyst A-15: A recyclable and reusable catalyst for the green synthesis of multi-substituted indolylimidazole derivatives

Kavita Poonia, Banasthali Vidyapith, India

Title: Explorative study of Schiff base and its Co2+, Mn2+ and Fe3+ complexes: Synthesis, characterization, antimicrobial, anticancer, DNA cleavage activities and DFT calculations

Pushpendra Kumar, Manipal University Jaipur, India

Title: Non-noble metal based catalysts for green and sustainable energy production

Abhishek Bansal, New Era Consultancy Services, India

Title: From molecular organization to biochemical function: A stratified B-BioChem framework for proteins, membranes, enzymes, and molecular interactions

Collin G Joseph, Universiti Malaysia Sabah, Malaysia

Title: Techniques for carbon dioxide sequestration and the way forward

Fatemehsadat Mirmohammadmakki, Shahid Beheshti University of Medical Sciences, Iran

Title: Reduction of heavy metal transfer from contaminated soil to edible herbs using horticultural waste residues

Kaden Moonsamy, Stellenbosch University, South Africa

Title: Photoreforming of 2-methyl-2-butanol over bare and Pt-loaded TiO2: Mechanistic insights & product selectivity under ambient conditions

Oral presentation slots are available

POSTER PRESENTATIONS

Armin Mohebbi, Kangan Petro-Refining Complex and Amirkabir University of Technology, Iran

Title: Experimental investigation on the effects of oxidizing and non-oxidizing biocides on microbial disinfection of cooling tower of Kangan Petro Refining Company

Poster presentation slots are available