



ISCC  
2024

TENTATIVE PROGRAM

**SPEAKER  
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Available**

*International Summit on*

# CATALYST AND CHEMISTRY

June 19-20, 2024 | Tokyo, Japan

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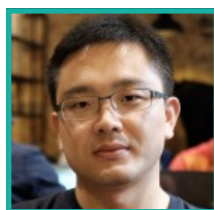
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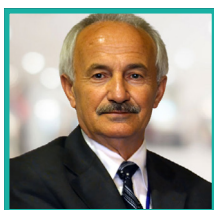
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## MAJOR SESSIONS

- Progress in Catalysis and Chemical Engineering
- Interactions at Interfaces: Colloidal and Surface Characteristics
- Materials Enabling Catalytic Activity
- Bio-Driven Catalytic Transformations
- Innovations in Catalyst Synthesis and Design
- Catalytic Solutions for Environmental Challenges
- Catalysis in Industry and Process Engineering
- Catalysis in Nano scale Technologies
- Engineering Reactions and Reactor Designs
- Catalytic Processes and Porous Substances
- Diverse Catalytic Reactions on Different Phases
- Study of Chemical Transformations
- Catalytic Strategies in Bio Refinery Settings
- Catalysis in Practical Scenarios
- Dynamics of Chemical Reactions and Catalytic Performance
- Catalytic Innovations for Sustainable Resources
- Catalytic Applications in Energy Sector

## PROGRAMME TENTATIVE

### Keynote Presentation

**Cecile Raillard, Nantes University, France**

Title: Photocatalytic Oxidation for Indoor Air Treatment

**Pangkuan Che, Beijing Institute of Technology, China**

Title:  $\pi$ -Conjugated Main-Group Chiral Macrocycles with Circularly Polarized Luminescence and Open-Shell Character

**Mohamed Nageeb Rashed, Aswan University, Egypt**

Title: New Trends in Green Synthesis of Metals Nanocatalyst and its Application for Treatment of Polluted Water

**Osman Adiguzel, Firat University, Turkey**

Title: Shape Reversibility and Martensite Variants in Shape Memory Alloys

**Xiong Wang, Petrochemical Research Institute, China**

Title: Porous organic polymers-based metallocene catalysts for ethylene polymerization

**Marta I. Litter, National University of General San Martin-CONICET, Argentina**

Title: Use of iron nanomaterials for the treatment of emergent contaminants in water

**Saad G. Mohamed, Mining and Metallurgy Engineering Department, Egypt**

Title: Nanostructured Metal Oxides and Chalcogenides for Supercapacitors Applications

### Oral Presentation

**M. Abdelhamid Shaha, National Research Institute of Astronomy and Geophysics, Egypt**

Title: A Novel Strategy for Refunctionalizing Carbon-based Nanosheets for Utilization in Photovoltaic Cells via Plasma Surface Modification

**Mirza Muhammad Faran Ashraf Baig, The Hong Kong University of Science and Technology, China**

Title: Recent Advances of Magnetic Gold Hybrids and Nanocomposites, and Their Potential Biological Applications

**Jana Pisk, University of Zagreb, Croatia**

Title: Materials incorporating molybdenum and vanadium as active catalysts

Oral Presentation

**Debanjan Mitra, Raiganj University, India**

Title: Insight into the mesophilic bacterial chromate reductase: an insilico study towards remediation of chromium pollution through microbes

**Ashanendu Mandal, University of Calcutta, India**

Title: Phenol removal from wastewater using innovative biological and industrial wastes as adsorbents

**Vinayak Adimule, Angadi Institute of Technology and Management, India**

Title: Microstructure, Zeta Potential and Enhanced Photocatalytic Dye Degradation Performances of Mesoporous Flower Shaped Nb Doped CeO<sub>2</sub> Bimetallic Oxide Nanostructures Decorated with Reduced Graphene Oxide

**Victoria Ezinne Ottah, University of Nigeria, Nigeria**

Title: Adapting Chemistry with Innovations to Achieve Future Objectives

Poster Presentation

**Long Zhao, Peking University Peoples Hospital, China**

Title: Systematic Pan-Cancer Analysis of the Oncogenic and Immunological Function of Stanniocalcin-1 (STC1)

**S. Kudiyarasan, Bharatiya Nabhikiya Vidyut Nigam Limited, India**

Title: Paroxysmal Nocturnal Hemoglobinuria and eculizumab (monoclonal antibody) as membrane attack complex inhibitor

**Eiman shahrour, Tishreen University, Syria**

Title: Genetic association between symptoms of mild Osteogenesis Imperfecta(OI) and Postmenopausal Osteoporosis

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