

TENTATIVE
PROGRAM

3rd Edition of International Congress on

CATALYSIS AND
CHEMICAL **SCIENCE**

MARCH 11-13, 2019
SINGAPORE

CATALYSIS
2019

Accentuate Innovations and Emerging Novel
Research in Catalysis and Chemical Science

<https://catalysiscongress.com/>

Tentative Program

Keynote Presentations

Title: Laser photons as specific catalysts in chemical reactions

Jai Pal Mittal, Indian National Science Academy, India

Title: Plasmonic Catalysis: Heating vs. hot electrons

Jie Liu, Duke University, USA

Title: A new comprehensive view on biocatalysis via the unified reaction valley approach

Elfi Kraka, Southern Methodist University, USA

Title: Computer analysis of the heterogeneous surfaces using the unique fast multivariant numerical procedure with the new clustering based models

Mirosław Kwiatkowski, AGH University of Science and Technology, Poland

Title: Heterostructures for emerging pollutants degradation under sunlight irradiation

Carolina Belver, Autonoma University of Madrid, Spain

Title: Rational design of high-performance catalysts based on acid–base combination chemistry

Kazuaki Ishihara, Nagoya University, Japan

Title: Fast hydrothermal synthesis of nanocrystalline Cs-aluminosilicate zeolites catalysts free of organic template

Eng-Poh Ng, Universiti Sains Malaysia, Malaysia

Title: Ceria supported transition metal nanoparticle catalysts in releasing H₂ from hydrogen storage materials

Saim Ozkar, Middle East Technical University, Turkey

Title: Synthesis and electrochemical performances of the various SiO₂-carbon nanofiber composites prepared by catalytic CVD as anode materials of lithium secondary batteries

Chang-Seop Lee, Keimyung University, Republic of Korea

Title: Computational deriving insights into catalysis

Hajime Hirao, City University of Hong Kong, China

Title: On-off switchable microreaction system as a protection platform of toxic/sensitive metal ion catalysts

Dong-Pyo Kim, POSTECH (Pohang University of Science and Technology), South Korea

Oral Presentations

Title: Synthesis of chiral isoindolinones from chiral (E)-N-(hex-3-en-5-yn-2-yl) propiolamides via a novel gold-catalyzed cycloisomerization reaction pathway

Stephen Pyne, University of Wollongong, Australia

Title: In situ spectroscopy for the study of kinetic and mechanistic aspects of alkene hydroformylation

Christoph Kubis, Leibniz-Institute for Catalysis in Rostock, Germany

Title: Layered type transition metal dichalcogenide (TMDs) based photocatalysts for photocatalytic hydrogen production- role and significance

S.V. Prabhakar Vattikuti, Yeungnam University, Republic of Korea

Title: Taking inspiration from molecular chemistry in nanochemistry to tune the properties of metal nanoparticles in catalysis

Karine PHILIPPOT, CNRS, France

Title: Oxyhydride perovskites: From characterization to reactivity study

Quang Nguyen Tran, École Nationale Supérieure de Chimie de Montpellier, France

Title: The catalytic effect of vanadocene to understand the hydrogen sorption reactions mechanism of Mg at a low working temperature

Sanjay Kumar, Hiroshima University, India

Title: Experimental and mechanistic insights into upgrading of biomass-derived phenolic compounds

Gul Afreen, Indian Institute of Technology Delhi, India

Title: Synthesis of ionic liquid supported silica-coated magnetic nanocatalyst for the straightforward one-pot synthesis of bioactive N-aryl oxazolidin-2-ones

Radhika Gupta, University of Delhi, India

Title: State-of-the-art anion exchange membrane fuel cells

Dario R. Dekel, Technion – Israel Institute of Technology, Israel

Title: Regioselective nucleophilic substitution of the Baylis-hillman adducts and synthesis of Tri- and tetracyclic azepino-indole derivatives

Zahid Shafiq, Institute of Chemical Science, Bahauddin Zakariya University, Pakistan

Speaker Slots Available

Poster Presentations

Title: Continuous-flow asymmetric hydrogenation of diethyl itaconate by supported Ru-BINAP catalysts

Akiko Murakami, Department of Chemistry, Kyushu University, Japan

Title: Monolayer Group IV-VI Monochalcogenides: Low dimensional materials for photocatalytic water splitting

Chandra Chowdhury, Senior Research Fellow, India

Poster Slots Available



Village Hotel Changi

1 Netheravon Road, Singapore 508502

Conference Dates: March 11-13, 2019

Questions? Contact +1 (702) 988-2320 or Inquires: catalysis-2019@magnus-group.org

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