

4th Edition of
International Conference on

Catalysis and Green Chemistry

TENTATIVE
PROGRAM

ICG
2019

MAY 13-14, 2019
TOKYO, JAPAN

*Theme: Catalyzing Inventive Technologies and
Estimating Methodologies to Modernize the
approaches in Catalysis and Green Chemistry*

 @CatalysisEvent

<https://catalysis-conferences.com/>

Keynote Presentations

Title: Domino reactions. The green and economical art of chemical synthesis

Lutz F. Tietze, Georg-August-University Göttingen, Germany

Title: A new catalyst for the conversion of aromatics to HC and CO-rich gas

Nicolas Abatzoglou, Université de Sherbrooke, Canada

Title: Green chemistry in processing of degradable and recycled polymers

Leszek Moscicki, Lublin University of Life Sciences, Poland

Title: CO₂ chemical evolution & catalysis

Paul O'Connor, Eindhoven University of Technology, Netherlands

Title: Catalytic processes in the conversion of biomass to biofuels and fine chemicals combined with ultrasonic and microwave irradiations

Aharon Gedanken, Bar-Ilan University, Israel

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

Mirosław Kwiatkowski, AGH University of Science and Technology, Poland

Title: Catalysts and catalytic processes for converting waste to fungible liquid fuels and chemicals

Moti Herskowitz, Ben Gurion University at Negev, Israel

Title: Interlayer dynamics of the active sites of transition metal sulfide-based catalysts and the mechanisms of hydrodesulfurization of oil fractions and synthesis gas conversion into higher alcohols and other oxygenates

Victor Kogan, Russian Academy of sciences, Russia

Title: Greener synthesis of chemicals and pharmaceutical compounds

Ahindra Nag, Indian Institute of Technology, India

Title: Novel medicinal applications of Natural products

Nagwa Abo El-Maali, Assiut University, Egypt

Oral Presentations

Title: Modelling thermokinetics using the Sestak-Berggren equation: A Calcium carbonate case study

Rebecca Gibson, University of Birmingham, United Kingdom

Title: Unraveling the controversy over the catalytic reaction mechanism using a new theoretical methodology: One probe and non-equilibrium green's function surface

Sang Uck Lee, Hanyang University, Republic of Korea

Title: Advanced in biomass and biogas energy

Abdeen Omer, Energy Research Institute (ERI), United Kingdom

Title: Observing catalytic reaction in the reciprocal space

Roberto Felici, Università di Tor Vergata, Italy

Title: Structure, stability and catalytic properties of gold protected nanoclusters from DFT calculation

Daria Pichugina, Moscow State University, Russia

Title: High-Frequency and Far-Field EPR and Far-Infrared magnetic spectroscopy of transition metal complexes with catalytic properties

Jurek Krzystek, National High Magnetic Field Laboratory, USA

Title: "Bio-based solvent": New solvent for the synthesis of heterocycles containing oxygen, sulfur and nitrogen

Joana Filomena Campos, Université d'Orléans, France

Title: DOZN™- A Quantitative Green Chemistry Evaluator

Samy Ponnusamy, MilliporeSigma, USA

Title: Techno-economic analysis of coal to liquids based on direct coal liquefaction technology

Ye Huang, Ulster University, UK

Title: Biodiesel obtaining in a supercritical fluid conditions: Non-catalytic and catalytic reaction, the reaction kinetics and the process simulation

Farid Gumerov, Kazan National Research Technological University, Russia

Title: New carbon carriers for catalysts

Victor Mukhin, AO "ENPO Neorganika", Russia

Title: Ru/TiO₂ CO₂ methanation catalysts: The decisive role of support crystallinity and stability

Capucine Sassoie, Sorbonne Université, France

Title: The morphology and surface modification effect on the properties of OER

Chuanbao Cao, Beijing Institute of Technology, China

Title: Percolation and additional active centers as key factors for performance of highly productive Fischer-Tropsch synthesis catalysts

Vladimir Z. Mordkovich, Technological Institute for Superhard and Novel Carbon Materials, Russia

Title: Role and significance of molybdenum disulfide (MoS₂) as a cocatalyst for photocatalytic hydrogen production

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

Title: How the design of nanomaterials allows to control their properties

Sophie Cassaignon, Sorbonne University, France

Title: Zeolites: Potential soil amendments for improving agriculture productivity

Vijay Sandeep Jakkula, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), India

Title: A green approach for the recovery of proteins from meat industries

Abel E. Navarro, Borough of Manhattan Community College, USA

Title: Beneficial effect of glycols on the activity of NiMoP/Al₂O₃ hydrotreating catalysts

Evgeniya N. Vlasova, Novosibirsk National Research University, Russia

Title: Photocatalytic production of hydrogen from biomass or wastewaters using solar energy

Alberto V. Puga, Instituto de Tecnología Química, Spain

Title: R&D of New Catalysts for the Water Gas Shift Processes

Angelo Vaccari, Università di Bologna, Italy

Title: Low temperature catalytic oxidations on bimetallic catalysts employing molecular oxygen

Ziyi Zhong, Guangdong Technion Israel Institute of Technology, China

Title: Micelles catalyzed regio- and chemoselective synthesis of 1,4-benzoquinones and their derivatives “in Water” as potential antifungal and antibacterial agents.

Vishnu K Tandon, Lucknow University, India

Title: Elaboration of new types fire-protective covers based on environmentally-safe fire-extinguishing powders

Lali Gurchumelia, Tbilisi State University, Georgia

Title: Comparative physicochemical correlation study and chromatographic release profile of active pharmaceutical ingredients of synthesized prodrug and codrug of aspirin+paracetamol and indomethacin+paracetamol in physiological fluids by covalent and non-covalent bonding

Dhrubo Jyoti Sen, Gujarat Technological University, India

Title: A well-defined Fe catalyst system bearing a tetradentate PNNP ligand: Selective synthesis of hydrosiloxanes via dehydronegative coupling of silanols with hydrosilanes

Yumiko Nakajima, National Institute of Advanced Industrial Science and Technology (AIST), Japan

Title: Palladium-Catalyzed β -C(sp³)-H Arylation of Weinreb amides via acidic ligands
Guanghui An, Heilongjiang University, China

Title: Development of HPA intercalated/modified clays as green catalysts for organic synthesis
Chandra Mohan, K. R. Mangalam University, India

Title: Perks of heterogeneous catalysts for the reductive depolymerization of lignin to improve existing valorization techniques
Iqra Zubair Awan, University of Bologna, Italy

Title: Ru(II)-Fe(III) and Ru(II)-Cu(II) Dyads for the light induced catalytic oxygenation of organic substrates mediated by O₂ activation
Sushil Kumar, Doon University, India

Title: Photoexcitation dynamics at nanoscale interfaces for solar hydrogen production
Run Long, Beijing Normal University, P. R. China

Title: Environmentally benign synthetic approach of newer Nitrogen heterocyclic analogous as a biologically active scaffold
Navin. B. Patel, Veer Narmad South Gujarat University, India

Title: Facile Synthesis of Carbon based Nanomaterials and their applications
Sandip Chakrabarti, Amity University, India

Title: Facile method to synthesize graphite and graphene nano sheets
Rikson Siburian, University of Sumatera Utara, Indonesia

Title: Synthesis, characterization and study of the biological and electrochemical activities of some heterocyclic compounds
Anouar Alami, Sidi Mohammed Ben Abdellah University, Morocco

Title: The effect of Heglig oilfield produced water on chemical additives for hydraulic fracturing fluids
Fatima Ahmed Elbrir Hamed, Sudan University of Science and Technology, Sudan

Title: Natural zeolites in the polymer residue's
Gagik Torosyan, University of Armenia, Armenia

Title: Landfill gas emissions and utilisation in Thohoyandou and Polokwane landfill site
Njoku Prince Obinna, University of Venda, South Africa

Title: Clean biogas as a renewable economic source of syngas and hydrogen
Angelo Vaccari, Università di Bologna, Italy

Title: How to promote green chemistry to public? The implications from neuroscience evidences and education

Huang Chin-Fei, National Kaohsiung Normal University, Taiwan

Title: Multi-walled carbon nanotubes decorated with Cu(II) triazole Schiff base complex and its catalytic performance for adsorptive removal of synthetic dyes

Hoda A. El-Ghamry, Umm Al-Qura University, Saudi Arabia

Title: Effect of doping on Physicochemical characteristics of lead titanate and of barium titanate

Mrharrab Lamiae, Ibn Zohr University, Morocco

Title: Industrial ceramic wastes in Pakistan: Renewable natural capital for pollution control, energy and green environment

Mohammad Sohail, University of Peshawar, Pakistan

Slots Available

Poster Presentations

Title: Hydrogenation of uncertainty compounds on irradiated β -particles Pd/ γ - Al₂O₃ catalyst

Murat Kunelbayev, Institute of Information and Computing Technologies, Republic of Kazakhstan

Title: Ruthenium based multimetallic nanoparticles: Probe the local structure

Capucine Sassoze, Sorbonne Université, France

Title: Primary amide functionalized metal organic frameworks as catalytically active hydrogen-bond-donating heterogeneous catalysts

Datta Markad, Indian Institute of Science Education and Research Mohali, India

Title: Development of technology for production of new types fire-extinguishing powders and foam-suspensions

Lasha Tkemaladze, Tsulukidze Mining Institute, Georgia

Title: Biogenically synthesized silver nanoparticles from green algae (*Botryococcus braunii*) and its catalytic behavior for the synthesis of benzimidazoles

Tejpal Singh Chundawat, The Northcap University, India

Selective ionic flow cells (SIFC) an alternative to treat wastewater and reduce climate change

Juan Jose Lozada Castro, Universidad de Nariño, Colombia



Tentative Program

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Title: Integrated two stage processing of biomass conversion to HMF esters using ionic liquid as green solvent and catalyst: Synthesis of mono esters

Komal Kumar, Indian Institute of Technology Delhi, India

Slots Available

We wish to meet you @ ICG - 2019
during May 13-14, 2019 in Tokyo, Japan



Questions? Contact +1 (702) 988-2320 or Inquires: catalysis@magnusmeetings.com

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