

11th Edition of
International Conference on

**CATALYSIS,
CHEMICAL
ENGINEERING
AND
TECHNOLOGY**



16-17

MAY 2022

VIRTUAL EVENT

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DAY 01

MONDAY, MAY 16

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30-10:00		AV Check
10:00-10:10		Introduction
10:10-10:50	19:10-19:50	Thomas J J Muller, Heinrich-Heine-Universitat Dusseldorf, Germany Title: With one catalyst in multiple steps in One-pot Fashion - Sequentially palladium-catalyzed processes for the synthesis of functional heterocycles
10:50-11:30	13:50-14:30	Yury S Nechaev, Bardin Central Research Institute for Ferrous Metallurgy, Russian Federation Title: On the Super Storage of Hydrogen in Graphite Nano Fibers
11:30-12:10	14:30-15:10	Venko Beschkov, Bulgarian Academy of Sciences, Bulgaria Title: On the catalytic conversions of sulfide ions in sulfide-driven fuel cells
12:10-12:50	08:10-08:50	Edward Lee Ruf, York University, Canada Title: Photochemical valence isomerization to high energy products – Bicyclobutanes and Oxabicyclobutanes

POSTER PRESENTATIONS

12:50-13:00	21:50-22:00	Yuto Nakano, National Institute of Technology, Oyama College, Japan Title: How an industrial laccase and anionic vesicles work on the oxidation of a mixture of the two substrates aniline and p-aminodiphenylamine in order to synthesize polyaniline in its conductive emeraldine salt form
13:00-13:10	20:00-20:10	Tran Thuong Quang, Hanoi University of Science and Technology, Vietnam Title: MOFs-carbon composites as potential photocatalyst for degradation of dye and pesticide
13:10-13:20	19:10-19:20	Yakha Vissurkhanova, E. A. Buketov Karaganda University, Kazakhstan Title: Fabrication of Fe-Cu catalysts on the basis of copper (II) ferrite
13:20-13:30	15:20-15:30	Anna M. Kisiela-Czajka, Wroclaw University of Science and Technology, Poland Title: Chemico-instrumental methods of functional groups analysis
13:30-13:40	16:30-16:40	Alexander Demirov, National University of Science and Technology MISIS, Russian Federation Title: Photocatalytic behavior of films based on hollow hematite microspheres
13:40-13:50	17:40-17:50	Shabanova Chimnaz Mamed, Azerbaijan National Academy of Science, Azerbaijan Title: Visual modeling of optimal regimes of chemical-technological process

ORAL PRESENTATIONS

13:50-14:10	21:50-22:10	Md Nurul Islam Siddique, University Malaysia Terengganu, Malaysia Title: Bio-methane production from anaerobic digestion of agricultural waste with extra nutrients and intermediate temperature: Feasibility and Fertilizer recovery
14:10-14:30	16:10-16:30	Victor Cerda, Barcelona University, Spain Title: Kinetic Methods in Analytical Chemistry
14:30-14:50	16:30-16:50	Andrea Czompa, Semmelweis University, Hungary Title: Propylene carbonate in Suzuki-Miyaura reaction
14:50-15:10	16:50-17:10	Bruno Mattia Bizzarri, University of Tuscia, Italy Title: Aminomalononitrile inspired prebiotic chemistry as a novel multicomponent tool for the synthesis of imidazole and purine derivatives
15:10-15:30	18:10-18:30	Mohamed Ezeldin Abdalla Osman, Peoples Friendship University of Russia, Russian Federation Title: Syngas conversion into higher alcohols over KCoMoS ₂ -catalysts supported on graphene-nanosheets coating alumina and carbon-containing materials
15:30-15:50	16:30-16:50	Elisabete Alegria, Instituto Superior de Engenharia de Lisboa, Portugal Title: Vanadium(V) complexes supported on porous MIL100(Fe) as catalyst for the peroxidative oxidation and adsorption of VOCs
15:50-16:10	08:50-09:10	Isaac C Avina, University of California, United States Title: In-situ monitoring of polymeric materials in harsh environments
16:10-16:30	21:40-22:00	Rupesh Hiranman Gaikwad, Maharshi Dayanand College, India Title: Advances in metal oxide and mixed metal oxide catalysis and their applications
16:30-16:50	22:00-22:20	Sujoy Bandyopadhyay, Indrashil University, India Title: Conjugated porous organic polymers: fluorescence-based sensing, photocatalysis and energy storage
16:50-17:10	22:20-22:40	Mridusmita Barooah, National Institute of Technology, India Title: Mixed Matrix Membrane for High CO ₂ gas performance studies
17:10-17:30	20:10-20:30	Rabeharitsara Andry Tahina, Polytechnic Engineer School of Antananarivo University, Madagascar Title: Trans Esterification with Methanol of Capsicum Chinenses Citric Acid Ester Solution Its Calcium Gel And Crystal Salts Synthesis

END OF DAY 1

DAY 02

TUESDAY, MAY 17

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
10:00-10:40	13:00-13:40	Osman Adiguzel, Firat University, Turkey Title: Lattice Reactions Governing Thermoelasticity and Superelasticity in Shape Memory Alloys
10:40-11:20	16:10-16:50	Tokeer Ahmad, Jamia Millia Islamia, India Title: Designing Nanocatalysts for H ₂ Energy Generation and Heterogeneous Organic Transformation Reactions

ORAL PRESENTATIONS

11:20-11:40	20:20-20:40	Dai Yeun Jeong, Jeju National University, Korea Title: A Desirable Approach to Establishment of Climate Change Policy
11:40-12:00	19:40-20:00	Ying Lung Steve Tse, The Chinese University of Hong Kong, Hong Kong Title: Molecular dynamics simulation of phase transfer catalysis
12:00-12:20	15:00-15:20	Madalina Ivanovici, National Institute for Research and Development in Electrochemistry and Condensed Matter, Romania Title: Manganese dioxide as efficient catalyst for pollution reduction in aqueous medium
12:20-12:40	15:20-15:40	Argam Akopyan, Lomonosov Moscow State University, Russian Federation Title: Highly efficient aerobic oxidative desulfurization based on tungsten carbide catalyst synthesized by the microwave method
12:40-13:00	14:40-15:00	Beatriz Valle Pascual, University of the Basque Country, Spain Title: Role of zeolite properties in bio-oil deoxygenation and hydrocarbons production by catalytic cracking
13:00-13:20	10:00-10:20	Orlando Elguera, University of São Paulo, Brazil Title: Review of Research Topics for Scaling-up of Sonochemical Reactors (Sono-reactors)
13:20-13:40	10:20-10:40	Fernanda Amaral de Siqueira, Federal University of Sao Paulo, Brazil Title: Dynamic Kinetic Resolution of primary benzylamines by using recyclable palladium supported on dolomite
13:40-14:00	19:10-19:30	Devalina Ray, Amity University, India Title: Regioselective and Atom Economical Metal Free C-5 Chalcogenation of 8-Aminoquinolines under Mild Conditions
14:00-14:20	18:30-18:50	Davood Fathi, Tarbiat Modares University, Iran Title: New Technologies for Perovskite Based Nanostructured Solar Cells Using Carbon Nano Tubes as Facilitators of the Carriers' Transport

14:20-14:40 **19:50-20:10** **Ashanendu Mandal, University of Calcutta, India**
Title: Removal of toxic phenol from wastewater using low-cost adsorbents

14:40-15:00 **20:10-20:30** **Manas Ranjan Senapati, Trident Academy of Technology, India**
Title: Nanocatalysis In Biofuels- An Overview

KEYNOTE PRESENTATIONS

15:00-16:00 **8:00-9:00** **Alexander G Ramm, Kansas State University, United States**
Title: Solution of the millennium problem concerning the Navier Stokes equations

16:00-16:40 **12:00-12:40** **Anne M Gaffney, University of South Carolina, United States**
Title: New Perspectives and Insights into Silver Catalyzed Direct Propylene Epoxidation

16:40-17:20 **18:40-19:20** **Laszlo Kollar, University of Pecs, Hungary**
Title: Functionalization of N-Heterocycles in Transition Metal Catalyzed Reactions

THANKING NOTE AND CLOSING CEREMONY

UPCOMING CONFERENCES

12th Edition of Global Conference on
Catalysis, Chemical Engineering & Technology

September 5-7, 2022 | Paris, France

<https://catalysis-conferences.magnusgroup.org/>

13th Edition of International Conference on
Catalysis, Chemical Engineering and Technology

October 21-22, 2022 | Orlando, FL, USA

<https://catalysiscongress.com/>

14th Edition of Global Conference on
Catalysis, Chemical Engineering and Technology

March 13-14, 2023 | Singapore

<https://catalysis.magnusconferences.com/>

15th Edition of International Conference on
Catalysis, Chemical Engineering and Technology

May 22-23, 2023 | Tokyo, Japan

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

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