

12<sup>TH</sup> EDITION OF GLOBAL CONFERENCE ON

# CATALYSIS, CHEMICAL ENGINEERING AND TECHNOLOGY



**VIRTUAL EVENT**

**SEPT 05-07**

**Contact us:**

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# DAY 01

## MONDAY, SEPTEMBER 05

### KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30-10:00		AV Check
10:00-10:10		Introduction
10:10-10:50	12:10-12:50	<b>Jose C Conesa, Institute of Catalysis and Petroleum Chemistry, Spain</b> Title: Enzyme-sulphide coupling for light-induced water splitting and CO <sub>2</sub> reduction
10:50-11:30	12:50-13:30	<b>Stanislaw Dzwigaj, Sorbonne University, France</b> Title: Design of metal single-site zeolites and their application in industrial and environmental catalysis
11:30-12:10	14:30-15:10	<b>Osman Adiguzel, Firat University, Turkey</b> Title: Displacive characterization of thermal and mechanical transformations in shape
12:10-12:50	17:40-18:20	<b>Ramesh C Gupta, Nagaland University, India</b> Title: Taurine: An eco-friendly bio catalyst & more

### POSTER PRESENTATIONS

12:50-13:00	18:50-19:00	<b>Gaukhar Yergazyeva, Institute of Combustion Problems, Kazakhstan</b> Title: Fe-containing composite for decomposition of methane into CO <sub>x</sub> -free hydrogen and nano-carbon
13:00-13:10	14:00-14:10	<b>Juliana Sousa, International Iberian Nanotechnology Laboratory (INL), Portugal</b> Title: Influence of the crystalline phase of Cu/Pd based metal oxides on the catalytic reduction of nitrate in water
13:10-13:20	16:10-16:20	<b>Cristina Paul, Politehnica University Timisoara, Romania</b> Title: Optimized continuous-flow aroma ester synthesis by entrapped <i>Candida antarctica</i> lipase B in novel sol-gels with epoxy functional groups
13:20-13:30	16:20-16:30	<b>Vahide Nuran Mutlu, SOCAR Turkey Research &amp; Development and Innovation Inc., Turkey</b> Title: Development of Cu-based bimetallic catalysts for the electrocatalytic hydrogenation of acetone to isopropanol for LOHC applications
13:30-13:40	15:30-15:40	<b>Tahany Mahmoud Mohamed Ahmed, Minia University, Egypt</b> Title: Visible light in heterocyclic chemistry: An efficient and environmentally friendly protocol for the synthesis polyfunctionalized substituted cinnolines
13:40-13:50	10:40-10:50	<b>Lina María Grajales, Federal University of Tocantins, Brazil</b> Title: Lipases from Brazilian agroindustrial residues aiming to biodiesel production
13:50-14:00	08:50-09:00	<b>Carlos Ruben Suarez Gavidia, National University of San Marcos, Peru</b> Title: Production of high-quality CuNi thin films using magnetron sputtering

## ORAL PRESENTATIONS

14:00-14:20	23:00-23:20	<b>Sadia Ameen, Jeonbuk National University, Korea, Republic of</b> Title: Multi-dimension metal oxides and organic electronic catalysts for environmental remediation
14:20-14:40	17:20-17:40	<b>Vahide Nuran Mutlu, SOCAR Turkey Research &amp; Development and Innovation Inc., Turkey</b> Title: Enhanced catalytic performance of sulphated TiO <sub>2</sub> -SiO <sub>2</sub> by la promoter for butyl glucoside synthesis
14:40-15:00	22:40-23:00	<b>Chau Ming So, The Hong Kong Polytechnic University, Hong Kong</b> Title: Design of alkyl-heteroaryl-based phosphine ligands and their application in chemoselective coupling reactions of polyhalogenated aryl triflates
15:00-15:20	18:00-18:20	<b>Rus Florina Stefania, Politehnica University Timisoara, Romania</b> Title: Fabrication of calcium bismuth oxide catalysts
15:20-15:40	18:20-18:40	<b>Abdulaziz Alturki, King Abdulaziz University, Saudi Arabia</b> Title: Optimization of a heat exchanger network for a multi-product refinery
15:40-16:00	21:10-21:30	<b>Sagarkumar Yogesh Dhanuskar, Indian Institute of Technology Delhi, India</b> Title: Catalytic cracking of ricinoleic acid methyl esters to produces castor oil derivatives
16:00-16:20	21:30-21:50	<b>Anjali Patel, The Maharaja Sayajirao University of Baroda, India</b> Title: Catalysis engineering based on polyoxometalates
16:20-16:40	21:50-22:10	<b>Prakash Kumar Sarangi, Central Agricultural University, India</b> Title: Ferulic acid esterase as biocatalyst in lignin biorefinery having industrial applications
16:40-17:00	18:40-19:00	<b>Samuel Couve Bonnaire, Normandie Univ, France</b> Title: Catalytic synthesis of fluorinated alkenes

# DAY 02

## TUESDAY, SEPTEMBER 06

### KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
10:00-10:40	12:00-12:40	<b>M A Martin Luengo, Institute of Materials Science of Madrid, Spain</b> Title: Catalysis in the next industrial revolution
10:40-11:20	12:40-13:20	<b>Maria Jesus Villasenor Llerena, Castilla- La Mancha University, Spain</b> Title: Electrochemical properties and sensing capacities of different carbon-based nanodots toward the detection of bioactives in complex matrices

### ORAL PRESENTATIONS

11:20-11:40	21:20-21:40	<b>Frederick Nti, Deakin University, Australia</b> Title: Ion Transport in Li-Doped Triethyl(methyl)phosphonium Tetrafluoroborate (Li-[P <sub>1222</sub> ][BF <sub>4</sub> ]) Impregnated with PVDF Nanoparticles
11:40-12:00	19:40-20:00	<b>Adi Azriff Basri, Universiti Putra Malaysia, Malaysia</b> Title: Fluid Structure Interaction on Paravalvular Leakage of the undersizing TAVI valve; Patient Specific Case
12:00-12:20	20:00-20:20	<b>Xin Wang, Shanghai Jiao Tong University, China</b> Title: Investigation of human microphysiological systems using mass spectrometry-based qualitative analysis combined with metabolomics
12:20-12:40	17:50-18:10	<b>Hiriyakkanavar Ila, Indian Institute of Technology Kanpur, India</b> Title: Design and Development of New Efficient Routes for the Synthesis of Biologically Important Heterocycles via Catalytic C-C and C-heteroatom bond formation
12:40-13:00	18:10-18:30	<b>Ram Sambhar Shukla, Central Salt and Marine Chemicals Research Institute(CSMCRI), India</b> Title: Heterogeneous Catalysis for Conversion of Carbon Dioxide to Formic Acid
13:00-13:20	18:30-18:50	<b>Harjinder Kaur, Gujarat University, India</b> Title: Role of Resin Supported Metal Nanoparticles as Catalyst in Organic Synthesis
13:20-13:40	18:50-19:10	<b>Sudip Kumar Das, University of Calcutta, India</b> Title: Bioremediation of Methylene blue from the aqueous environment using bamboo leaves and its acid-treated forms as biosorbent
13:40-14:00	19:10-19:30	<b>Meera Yadav, North Eastern Regional Institute of Science and Technology, India</b> Title: Key Role of Catalase Enzyme in Catalysis
14:00-14:20	19:30-19:50	<b>Rajesh Kumar, B.R.A. Bihar University, India</b> Title: Bio-catalytic Approach to Synthesis of Modified Nucleosides

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## KEYNOTE PRESENTATIONS

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| 14:20-15:00 | 08:20-09:00 | <b>Anne M Gaffney, University of South Carolina, United States</b><br>Title: Plastic Trash to Monomers and Intermediates – PTMI                             |
| 15:00-15:40 | 17:00-17:40 | <b>Ahmet Haxhijaj, University of Mitrovica, Kosova</b><br>Title: Environment Management and Advancing Technological Processes for Technical Lead Production |
| 15:40-16:20 | 17:40-18:20 | <b>Eugenio Meloni, University of Salerno, Italy</b><br>Title: The electrification of chemical engineering as a way for the process intensification          |
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## ORAL PRESENTATIONS

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| 16:20-16:40 | 11:20-11:40 | <b>Haibo Ge, Texas Tech University, United States</b><br>Title: Distal Functionalization via Transition Metal Catalysis                                                                                               |
| 16:40-17:00 | 21:40-22:00 | <b>Muhammad Asif Nawaz, Shaheed Benazir Bhutto University, Pakistan</b><br>Title: Immobilization of bacterial maltase using different polymers: An Excellent design of using maltase in continuous industrial process |
| 17:00-17:20 | 14:00-14:20 | <b>Leonardo Andres Cano, Institute of Research in Science and Materials Technology (INTEMA-CONICET), Argentina</b><br>Title: Development of new nanocomposites for the remediation of contaminated water              |
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# DAY 03

## WEDNESDAY, SEPTEMBER 07

### KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
10:00-10:40	19:00-19:40	<b>Kotohiro Nomura Tokyo Metropolitan University, Japan</b> Title: Synthesis of Bio-based Polymers from Plant Oils for Better Chemical Recycling
10:40-11:20	13:40-14:20	<b>Nikolaos C Kokkinos, International Hellenic University, Greece</b> Title: The contribution of immersive technologies in novel industrial catalytic processes

### ORAL PRESENTATIONS

11:20-11:40	19:20-19:40	<b>Samah Zaki Naji, Universiti Sains Malaysia, Malaysia</b> Title: Role of sulphuric acid modification to coconut shell activated carbon in catalytic cracking of waste? cooking oil
11:40-12:00	19:40-20:00	<b>Qing Tang, Chongqing University, China</b> Title: Revealing the Active Site of Single Palladium Atom Catalyst towards Electrochemical CO <sub>2</sub> RR to CO
12:00-12:20	20:00-20:20	<b>Yanqing Shen, Harbin Institute of Technology, China</b> Title: Theoretical Study of 2D Photocatalysts for Producing Hydrogen
12:20-12:40	15:20-15:40	<b>Ulkuye Dudu Gul, Bilecik Seyh Edebali University, Turkey</b> Title: Fungal Biocatalysts in Environmental Applications; Enzymatic Treatment of Textile Wastewater by Fungi
12:40-13:00	18:10-18:30	<b>Girish Kumar, CMR University, India</b> Title: Understanding the doping mechanisms in C-N-S tridoped TiO <sub>2</sub>
13:00-13:20	18:30-18:50	<b>Srabanti Basu, University of Calcutta, India</b> Title: Lactase and amylase from the seeds of Artocarpus heterophyllus (jack fruit)
13:20-13:40	18:50-19:10	<b>Bashir Ahmad Dar, University of Kashmir, India</b> Title: Montmorillonite Supported Catalysts for Organic Chemical Reactions
13:40-14:00	19:10-19:30	<b>Samuzal Bhuyan, Sikkim University, India</b> Title: Visible light mediated photoredox catalysis for C-O bond manipulation
14:00-14:20	19:30-19:50	<b>Omvir Singh, CSIR-Indian Institute of Petroleum, India</b> Title: Integration of Zeolite@Metal–Organic Framework: A Composite Catalyst for Isopropyl Alcohol Conversion to Aromatics
14:20-14:40	19:50-20:10	<b>Vikas Kumar Sangal, Malaviya National Institute of Technology Jaipur, India</b> Title: Treatment of Pharmaceutical effluent in Pilot-scale once through reactor systems by dual process (photocatalysis and photo-Fenton) using In-situ novel catalyst

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14:40-15:00	19:40-20:00	<b>Muhammad Yaseen, Abdul Wali Khan University Mardan, Pakistan</b> Title: fabrication and characterization of $\text{Fe}_3\text{O}_4\text{-SiO}_2$ composite and evaluation of its activity toward removal of methylene blue and methyle orange from water
15:00-15:20	16:00-16:20	<b>Cláudio da Silva Rocha, University of Porto, Portugal</b> Title: Catalytic Screening for Steam Reforming of Olive Mill Wastewater
15:20-15:40	16:20-16:40	<b>Sudhagar Pitchaimuthu, Heriot-Watt University Edinburgh, United Kingdom</b> Title: Accelerating Photo(electro)Chemical Technology Beyond the Water Splitting Process - Cross Fertilisation of Wastewater Treatment and Green Hydrogen Generation
15:40-16:00	12:40-13:00	<b>Evelin Andrade Manoel, Federal University of Rio de Janeiro, Brazil</b> Title: Enzymes on engineered supports: a strategy to obtain pharmaceutical compounds
16:00-16:20	20:30-20:50	<b>Mojtaba Hosseinifard, Materials and Energy Research Center, Iran</b> Title: Experimental investigation and process parameters optimization for the removal of vanadium from aqueous media using $\text{Fe}_3\text{O}_4$ /silica/chitosan nanocomposite
16:20-16:40	19:20-19:40	<b>Birce Pekmezci Karaman, Gazi University, Turkey</b> Title: Bio-Oil Upgrading to Alternative Diesel Fuel with Novel Catalysts
16:40-17:00	13:40-14:00	<b>Fernanda Guerra Lima Medeiros Borsagli, Universidade Federal dos Vales do Jequitinhonha e Mucuri, Brazil</b> Title: The challenges of green nanotechnology in an ever-changing world

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## **UPCOMING CONFERENCES**

14<sup>th</sup> Edition of Global Conference on  
**Catalysis, Chemical Engineering and Technology**

March 13-15, 2023 | Singapore | Hybrid Event

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

15<sup>th</sup> Edition of International Conference on  
**Catalysis, Chemical Engineering and Technology**

May 22-23, 202 | Tokyo, Japan | Hybrid Event

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

16<sup>th</sup> Edition of Global Conference on  
**Catalysis, Chemical Engineering and Technology**

September 2023 | Hybrid Event

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

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### **QUERIES? CONTACT**

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