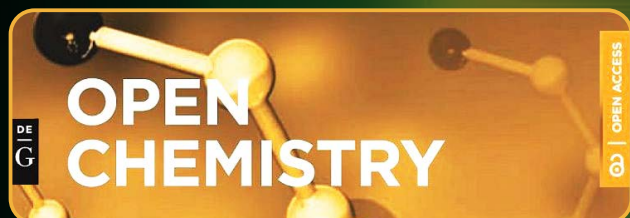


14TH EDITION OF
GLOBAL CONFERENCE ON
**CATALYSIS, CHEMICAL
ENGINEERING AND
TECHNOLOGY**

13-14 
MARCH 2023

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DAY 01

MONDAY, MARCH 13



KEYNOTE PRESENTATIONS

Moderator		Tarnveer Kaur, Punjabi University, India
GMT Timings	Local Timings	
09:30-10:00		AV Check
10:00 - 10:10		Opening Ceremony and Introduction
10:10-10:50	11:10-11:50	Stanislaw Dzwigaj, Sorbonne University, France Title: Application of metal single-site zeolite catalysts in heterogeneous catalysis
10:50-11:30	18:50-19:30	Serge Cosnier, Universite Grenoble Alpes, France Title: Bioelectrocatalytic materials based on buckypapers and biosourced glyconanoparticles

ORAL PRESENTATIONS

11:30-11:50	19:30-19:50	Ziyi Zhong, Guangdong Technion Israel Institute of Technology, China Title: CO ₂ hydrogenation to methanol over Cu/TiO ₂ catalysts: The role of oxygen vacancies in CO ₂ activation
11:50-12:10	19:50-20:10	Ji Wang, Ningbo University, China Title: An analysis of thermal effects on vibration frequency of a quartz crystal microbalance
12:10-12:30	20:10-20:30	Md Nurul Islam Siddique, University Malaysia Terengganu, Malaysia Title: Role of supplemented nutrients and intermediate temperature on bio-methane generation from anaerobic digestion of agricultural waste: Feasibility & Fertilizer recovery
12:30-12:50	20:30-20:50	Zhao Zibo, Max Planck Institute for Multidisciplinary Sciences, China Title: Highly rotationally excited N ₂ of N ₂ O dissociation on Pd(110) surface
12:50-13:10	20:50-21:10	Huiqin Li, Inner Mongolia University, China Title: Preparation of catalyst with defective cerium-based structures and its application in VOCs degradation
13:10-13:30	21:10-21:30	Chi-Ping Li, National United University, Taiwan Title: Tungsten trioxide cathode films for electrochromic devices
13:30-13:50	21:30-21:50	Vinod Agnihotri, SP Jain School of Global Management, Singapore Title: E-commerce adoption in B2B specialty chemical industry
13:50-14:10	17:50-18:10	N Mamulaishvili, Rustaveli State University, Georgia Title: Thermolysis of petroleum oil and solubility of deposits



14:10-14:30	18:10-18:30	Marina Kipiani, LEPL Institute “Optica”, Georgia Title : Development and research of an innovative magnetron ion-plasma electrodispersion reactor for the fields of catalysis, chemical engineering and technology
14:30-14:50	20:00-20:20	Yaddanapudi Varun, Birla Institute of Technology and Science, India Title: Role of Ni, La impregnation and substitution in Co_3O_4 - ZrO_2 catalysts for catalytic hydrogen combustion
14:50-15:10	20:20-20:40	Shalini Arora, IIT Kanpur, India Title: One pot synthesis of ultrasmall nimo catalysts supported on amorphous alumina with enhanced type 2 sites for hydrodesulfurization reaction: A combined experimental and theoretical study
15:10-15:30	20:40-21:00	Noorin Fatima, Osmania University, India Title: Experimental studies on control of a two tank non-interacting liquid level System using internal model based pid controller
15:30-15:50	21:00-21:20	Ashanendu Mandal, University of Calcutta, India Title: Removal of phenol from wastewater using biological and industrial wastes as adsorbents
15:50-16:10	21:20-21:40	P K Dash, Nitte Meenakshi Institute of Technology, India Title: Roll of catalyst in space propulsion system

KEYNOTE PRESENTATIONS

16:10-16:50	08:10-08:50	Alexander G Ramm, Kansas State University, United States Title: Solution of the millennium problem concerning the Navier-Stokes equations
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ORAL PRESENTATIONS

16:50-17:10	22:20-22:40	Suman, Indian Institute of Technology (ISM) Dhanbad, India Title: Synthesis of ZnO via solution combustion method; study the effect of ignition temperature and fuel quantity
17:10-17:30	18:10-18:30	Hanns Christian Schewe, Czech Academy of Sciences, Czech Republic Title: Imaging of chemical kinetics at the water–water interface in a free-flowing liquid flat-jet
17:30-17:50	19:30-19:50	Ieva Gaide, Vytautas Magnus University Agriculture Academy, Lithuania Title: Snail shells as a heterogeneous catalyst for biodiesel synthesis
17:50-18:10	20:50-21:10	Hasan Saygili, Batman University, Turkey Title: An investigation on adsorption of heavy metal with hydrochar developed from industrial waste: Kinetics, mechanisms, and desorption
18:10-18:30	21:10-21:30	Ashiff Khan, SP Jain School of Global Management, Australia Title: Antecedents of the adoption of big data by the global chemical industry

DAY 02

TUESDAY, MARCH 14



KEYNOTE PRESENTATIONS

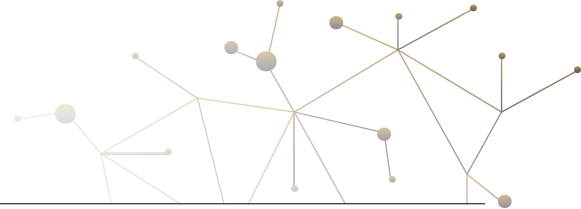
Moderator		Samira Rostom, University of Western Ontario, Canada
GMT Timings	Local Timings	
09:30-10:00		AV Check
10:00-10:40	13:00-13:40	Osman Adiguzel, Firat University, Turkey Title: Basic lattice reactions in memory behavior of shape memory alloys

POSTER PRESENTATIONS

10:40-10:50	12:40-12:50	George Karagiannakis, Centre for Research and Technology – Hellas, CERTH, Greece Title: Effect of catalyst acidity and reduction step on carbon dioxide valorization
10:50-11:00	19:50-20:00	Minjae Baek, Korea International School Jeju, Korea, Republic of Title: Quantitative analysis on collective interlaboratory adsorption data on ZIF-8
11:00-11:10	13:00-13:10	George Karagiannakis, Centre for Research and Technology – Hellas, CERTH, Greece Title: Mathematical model of a solar irradiated monolithic reactor
11:10-11:20	16:40-16:50	Tarnveer Kaur, Punjabi University, India Title: Thermodynamic properties of aqueous L-threonine-[BMIm][Cl] solutions

ORAL PRESENTATIONS

11:20-11:40	14:20-14:40	Delia Teresa Sponza, Dokuz Eylul University, Turkey Title: Removal of oxytetracycline antibiotic via photocatalytic process by SnO ₂ /Bi ₂ Sn ₂ O ₇ nanocatalyst
11:40-12:00	19:40-20:00	Jun Gou, University of Electronic Science and Technology, China Title: High-speed high-efficiency silicon-based photodetectors with photon-trapping holes
12:00-12:20	15:00-15:20	Delia Teresa Sponza, Dokuz Eylul University, Turkey Title: Effects of NOM concentrations on the photocatalytic removal of 4-chloro-2-methylphenoxyacetic acid (MCPA) micropollutant from the surface water using CNT-TiO ₂ nano catalytic systems
12:20-12:40	19:20-19:40	Evgeniya Vlasova, Boreskov Institute of Catalysis, Russian Federation Title: Hydrodeoxygenation of aliphatic esters over sulfide Mo/Al ₂ O ₃ -zeolite catalysts
12:40-13:00	18:10-18:30	T. Shiyani, Saurashtra Research Institute, India Title: Biohybrid nanostructures for solar fuel generation



13:00-13:20	18:30-18:50	Ganesan Kilivelu, Presidency College, India Title: Ionic liquids from simple synthetic approach and its catalytic response
13:20-13:40	18:50-19:10	Upadhyay Darshit, Nirma University, India Title: Sustainable municipal solid waste management system – a systematic review
13:40-14:00	17:10-17:30	Davood Fathi, Tarbiat Modares University, Iran (Islamic Republic of) Title: Recent advances in perovskite-based nanostructure solar cell systems
14:00-14:20	17:30-17:50	Zeinab Sanaee, University of Tehran, Iran (islamic Republic Of) Title: Formation of nanowires of silicon suitable for lithium ion battery application

KEYNOTE PRESENTATIONS

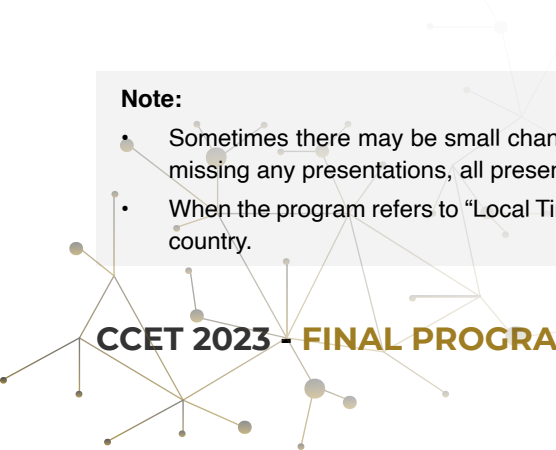
14:20-15:00	09:20-10:00	Thomas J Webster, Interstellar Therapeutics, United States Title: Human nanomedicine: Catalysts for improving health in the clinic
15:00-15:40	09:00-09:40	Haibo Ge, Texas Tech University, United States Title: Distal functionalization via transition metal catalysis
15:40-16:20	10:40-11:20	Anne M Gaffney, University of South Carolina, United States Title: Plastic trash to monomers and intermediates – PTMI

ORAL PRESENTATIONS

16:20-16:40	18:20-18:40	Florina Stefania Rus, Institute for Research and Development in Electrochemistry and Condensed Matter, Romania Title: Conventional precipitation synthesis of $\text{Ca}_2\text{Bi}_2\text{O}_5$ pure crystalline phase and its catalytic properties
16:40-17:00	11:40-12:00	Orlando Elguera, National University of Engineering, Peru Title: Review of research topics for scaling-up of sonochemical reactors (sono-reactors)
17:00-17:20	20:00-20:20	Valeriia Moseeva, D Mendeleev University of Chemical Technology, Russian Federation Title: Detritiation of large volume of water with low tritium concentration by physicochemical methods of hydrogen isotope separation
17:20-17:40	12:20-12:40	Samira Rostom, University of Western Ontario, Canada Title: Comparative study of zeolite-5A and Cu-BTC for CO_2 adsorption using thermogravimetric analyzer in the application of hydrogen purification
17:40-18:00	18:40-19:00	Folayan, Adewale Johnson University of Portharcourt, Nigeria Title: Novel synthetic-based drilling fluid through catalytic and non-catalytic transesterification of inseed oil from CO_2 -enhanced super-critical fluid extraction process.

Note:

- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation.
- When the program refers to "Local Timings," it means that the timing mentioned is based on the time zone of the presenter's country.



UPCOMING CONFERENCES

15th Edition of International Conference on
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May 22-23, 2023 | Tokyo, Japan

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

16th Edition of Global Conference on
Catalysis, Chemical Engineering & Technology

September 14-16, 2023 | Valencia, Spain

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

17th Edition of International Conference on
Catalysis, Chemical Engineering and Technology

October 26-28, 2023 | Boston, USA

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Catalysis, Chemical Engineering and Technology

March 18-20, 2024 | Singapore

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