

FINAL PROGRAM

13th Edition of International Conference on

CATALYSIS, CHEMICAL ENGINEERING AND TECHNOLOGY

21-22

OCT 2022

VIRTUAL EVENT

Contact us:

Ph: +1 (702) 988-2320 | Whatsapp: +1 (440) 941-2981

Email: catalysis-tech@magnusconference.com

Website: <https://catalysiscongress.com/>

DAY 01

FRIDAY, OCTOBER 21

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	Stanislaw Dzwigaj, Sorbonne-Universite-CNRS, Laboratoire de Reactivite de Surface, France Title: Application of metal single-site zeolite catalysts in enviromental catalysis
10:50-11:30	12:50-13:30	Eleonora Aneggi, University of Udine, Italy Title: Heterogeneous fenton process for enhanced liquid waste treatment
11:30-12:10	17:00-17:40	Tokeer Ahmad, Jamia Millia Islamia, India Title: Designing multifunctional nanostructures for H ₂ energy applications

ORAL PRESENTATIONS

12:10-12:30	20:10-20:30	Nurul Islam Siddique, University Malaysia Terengganu, Malaysia Title: Bio-methane generation from anaerobic digestion of agricultural waste: Feasibility and fertilizer recovery: Effect of supplemented nutrients and intermediate temperature
12:30-12:50	14:30-14:50	Mirosław Szukiewicz, Rzeszow University of Technology, Poland Title: Kinetics of catalytic hydrogenation of propene investigations based on graph theory
12:50-13:10	14:50-15:10	Agnieszka Szymaszek Wawryca, AGH University of Science and Technology, Poland Title: Catalytic performance of modified delaminated zeolite ITQ-2 in selective catalytic reduction of nitrogen oxides with ammonia
13:10-13:30	15:10-15:30	Olaf Dybinski, Warsaw University of Technology, Poland Title: Experimental analysis of delivering various liquid fuels to Molten Carbonate Fuel Cell (MCFC)
13:30-13:50	19:00-19:20	Ashanendu Mandal, University of Calcutta, India Title: Some studies on the adsorptive removal of phenol from wastewater
13:50-14:10	19:20-19:40	Bhuvanasundari, IIT Madras, India Title: Photocatalytic degradation of antibiotic pharmaceutical pollutant by a magnetic material, Aluminium ferrite (AlFeO ₃)
14:10-14:30	19:40-20:00	S Girish Kumar, CMR University, India Title: Doping Mechanism in carbon, nitrogen and sulfur tridoped TiO ₂

14:30-14:50

19:30-19:50

Khalida Naseem, University of Central Punjab, Pakistan

Title: Reduction of toxic dyes using recyclable core shell nanoparticles catalyst

KEYNOTE PRESENTATIONS

14:50-15:30

09:50-10:30

Haibo Ge, Texas Tech University, United States

Title: Distal functionalization via transition metal catalysis

15:30-16:10

09:30-10:10

Anne M Gaffney, University of South Carolina, United States

Title: Plastic trash to monomers and intermediates – PTMI

ORAL PRESENTATIONS

16:10-16:30

13:10-13:30

Paulina Urrutia Acevedo, Pontificia Universidad Catolica de Valparaiso, Chile

Title: Grapefruit debittering by simultaneous naringin hydrolysis and limonin adsorption using immobilized naringinase

16:30-16:50

13:30-13:50

Alexander Fernandez de la Torre, University of Concepcion, Chile

Title: Combining organocatalysis and multicomponent reactions: A sequential synthesis of sec-containing peptides and dehydropeptides

16:50-17:10

17:50-18:10

Jose C Conesa, Institute of Catalysis and Petroleum Chemistry, SpainTitle: Enzyme sulphide coupling for light induced water splitting and CO₂ reduction

DAY 02

SATURDAY, OCTOBER 22

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00-10:40	13:00-13:40	Nikolaos C Kokkinos, International Hellenic University, Greece Title: A holistic approach for scaling-up novel catalytic processes
10:40-11:20	16:10-16:50	E K T Siva Kumar, Anna University, India Title: Photocatalytic performance of nitrogen doped reduced graphene oxide WO ₃ composite

POSTER PRESENTATIONS

11:20-11:30	20:20-20:30	Vempuluru Navakoteswara Rao, National Nanofab Center, Korea, Republic of Title: 1D/0D Heterojunction nanohybrids extremely excitons transfer for superior photocatalytic hydrogen evolution and NO ₂ gas detection at ambient temperature
11:30-11:40	15:00-15:10	Azam Samiei, Chemistry and Chemical Engineering Research Center of Iran, Iran (Islamic Republic of) Title: Influence of extra-framework aluminum on the lifetime of faujasite y zeolite under iso-octan cracking
11:40-11:50	15:10-15:20	Mahta Badienezhad, University of Guilan, Iran (Islamic Republic of) Title: A novel approach to calibration methodology of WD_XRF applied in elemental analysis of zeolite compounds and FCC samples with high accuracy and precision
11:50-12:00	17:20-17:30	Iftkhar Ahmad, Jamia Millia Islamia Central University, India Title: Fabrication of magnetically recyclable nano photocatalyst decorated with transition metal nanoparticles for the reduction of organic contaminants and photodegradation of azo dyes
12:00-12:10	14:00-14:10	Monika Papsdorf, Adam Mickiewicz University in Poznan, Poland Title: New derivatives of lasalocid acid as efficient ion carriers
12:10-12:20	09:10-09:20	Odette Concepcion, University of Concepcion, Chile Title: Organocatalytic or multicomponent approach to the synthesis of new pentasubstituted cyclopentenones
12:20-12:30	14:20-14:30	Sadhna Mathura, University of the Witwatersrand, South Africa Title: Dipyrromethanes: Structural analogues for probing the chemistry of bilirubin pigments

ORAL PRESENTATIONS

12:30-12:50	14:30-14:50	Victor Cerde, Sciware Systems, Spain Title: Automated in-chip catalytic spectrophotometric methods
12:50-13:10	14:50-15:10	Fee Johanna Kaufer, Leibniz Institute for Plasma Science and Technology, Germany Title: Synthesis of catalytically active filter materials via plasma-mediated method for application in electro fenton process for degradation of pharmaceuticals
13:10-13:30	16:40-17:00	Mahta Badienezhad, University of Guilan, Iran (Islamic Republic of) Title: Monitoring the relationship between specific surface area and total pore volume with silica amount using novel method and Si/Al ratio in fluid catalytic cracking (FCC) through XRF, XRD and N ₂ -porosimetry analysis
13:30-13:50	17:00-17:20	Saeedeh Hashemian, Islamic Azad University, Iran (Islamic Republic of) Title: Study of ZIF effect on GO for phenol removal from aqueous solutions
13:50-14:10	19:20-19:40	Prashanth S Adarakatti, SVM Arts, Science & Commerce College, India Title: Electrochemical sensing of mercury(ii) using a nickel ferrite/graphitic carbon nitride nanocomposite modified screen-printed electrode as one-shot disposable sensor
14:10-14:30	19:40-20:00	Meera Yadav, North Eastern Regional Institute of Science and Technology, India Title: Catalytic biotransformations by peroxidases
14:30-14:50	20:00-20:20	Sujoy Kumar Dey, Sikkim Manipal University, India Title: Mechanical characterization of PEEK-HA composite as an orthopedic implant
14:50-15:10	18:20-18:40	Saeedeh Hashemian, Islamic Azad University, Iran (Islamic Republic of) Title: Synthesis of tetrazolo [1,5-a] pyrimidines derivatives by using nanocatalyst of ZIF supported on the red soil
15:10-15:30	11:10-11:30	Sibo Lin, Indiana University, United States Ethylene dimerization: Development of anti-fouling agents
15:30-15:50	11:30-11:50	Egwu Eric Kalu, Florida A&M University, United States Title: CuNiMoP composite electrocatalyst for glycerol electrooxidation
15:50-16:10	10:50-11:10	Juan David Gonzalez, Remington University, Colombia Title: Microkinetic modeling of ammonia oxidation over Pt(211)- the role of the surface coverage
16:10-16:30	13:10-13:30	Jose Hernandez Torres, Chilean Nuclear Energy Commission, Chile Title: Removal of chloride ions from copper solution, using electrodialysis techniques, to recover uranium through ion-exchange

UPCOMING CONFERENCES

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

March 13-15, 2023 | Singapore | Hybrid Event

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

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

May 22-23, 2023 | Tokyo, Japan | Hybrid Event

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

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

September 14-16, 2023 | Valencia, Spain | Hybrid Event

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

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

October 26-28, 2023 | Boston, Massachusetts, USA | Hybrid Event

<https://catalysiscongress.com/>

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Ph: +1 (702) 988-2320 | Whatsapp: +1 (440) 941-2981

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