

VIRTUAL EVENT

# FINAL PROGRAM



9<sup>TH</sup> EDITION OF INTERNATIONAL CONFERENCE ON  
**CATALYSIS, CHEMICAL  
ENGINEERING AND TECHNOLOGY**

**21-22**  
OCT 2021

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**ORGANOMETALLICS**

GMT Timings	Local Timings	
10:00-10:10		Opening Ceremony

## Keynote Presentations

10:10-10:50	12:10-12:50	Title: Catalytic and photocatalytic membrane reactors <b>Teresa Poerio</b> , CNR-ITM, Italy
10:50-11:30	06:50-07:30	Title: Catalysts for Ethylbenzene to Styrene: Challenges & break through <b>Palanichamy Manikandan</b> , Clariant Corporation, USA
11:30-12:10	06:30-07:10	Title: Nanomaterial as catalysts in photoelectrochemical energy conversion and hydrophobic recovery <b>Deepak Ganta</b> , Texas A&M International Boulevard, USA

## Oral Presentations

12:10-12:30	17:40-18:00	Title: Highly efficient functionalized calix[4]pyrrole wrapped scrupulous nano-palladium catalyst <b>Keyur Bhatt</b> , Ganpat University, India
12:30-12:50	15:30-15:50	Title: Sustainable removal of Phosphate from aqueous solutions by Electrodeionization (EDI) <b>Ozgur Arar</b> , Ege University, Turkey
12:50-13:10	09:50-10:10	Title: Review of research topics for scaling-up of sonochemical reactors (sono-reactors) <b>Orlando Elguera</b> , Universidade de São Paulo, Brazil
13:10-13:30	22:10-22:30	Title: Computational design of highly active electrocatalysts for oxygen evolution reaction <b>Hyeyoung Shin</b> , Chungnam National University, Republic of Korea
13:30-13:50	15:30-15:50	Title: Characterization of petroleum fractions by in situ EPR spectroscopy <b>Ben Tayeb Karima</b> , University of Lille, France

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13:50-14:10	15:50-16:10	Title: Palladium-catalyzed benzylic-like nucleophilic substitution of benzofuran-2-ylmethyl acetate with N, S, O and C soft nucleophiles  <b>Antonia Iazzetti</b> , Catholic University of Sacred Heart, Italy
14:10-14:30	16:10-16:30	Title: Neutralization reaction induced by different types of magnetic field  <b>Dawid Soloducha</b> , West Pomeranian University of Technology in Szczecin, Poland
14:30-14:50	16:30-16:50	Title: Green solvents as a new tool for olefin metathesis  <b>Ervin Kovács</b> , Research Centre for Natural Sciences, Hungary
14:50-15:10	20:20-20:40	Title: Adsorptive removal of toxic phenol from industrial wastewater using low-cost adsorbents  <b>Ashanendu Mandal</b> , Doctorate in Chemical Engineering at University of Calcutta, India
15:10-15:30	20:40-21:00	Title: Transition metal-catalyzed site-selective C-H functionalization of N-heteroaromatics  <b>Devalina Ray</b> , Amity University, India
15:30-15:50	18:30-18:50	Title: Supercritical fluids as reaction media for scalable production of Carbon nanomaterials  <b>Haider Almkhelfe</b> , Kansas State University, Iraq
15:50-16:10	18:50-19:10	Title: Development of NiZn bimetallic catalysts for Hydrogen evolution via selective dehydrogenation of Methylcyclohexane  <b>Anaam Al-Shaikh Ali</b> , Saudi Aramco, Research and Development Center, Saudi Arabia
16:10-16:30	11:10-11:30	Title: Heck catalysis of palladium nanoparticles obtained in different reducing systems  <b>Rocio Redon</b> , National Autonomous University of Mexico, Mexico

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16:30-16:50	19:30-19:50	Title: Teaching and Learning Chemistry in context with Nanotechnology applications <b>Riam Abu Much</b> , The Academic Arab College for Education in Haifa, Israel
16:50-17:10	17:50-18:10	Title: Degradation of non-steroidal drug under solar irradiation in the presence of NiFe <sub>2</sub> O <sub>4</sub> nanoparticle <b>Boucheloukh Hadjira</b> , University of Constantine, Algeria
17:10-17:30	21:10-21:30	Title: Mathematical modeling of the adsorption process with variable conditions <b>Miryusif Mirbabayev</b> , Azerbaijan Technical University, Azerbaijan

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### Keynote Presentations

17:30-18:10	18:30-19:10	Title: Hierarchical porous metals manufactured by powder metallurgy and de-alloying <b>Yuyuan Zhao</b> , University of Liverpool, United Kingdom
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**END of Day 1**

GMT Timings	Local Timings
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## Keynote Presentations

10:10-10:50	12:10-12:50	Title: $\beta$ -Alkynol inhibition in Ru/Pt dual catalysis for hydrosilylation of silicones <b>Pierre Chevalier</b> , Dow Silicones Belgium SPRL, Belgium
10:50-11:30	19:50-20:30	Title: True design and characterization of catalyst and photocatalyst materials through electron trap-distribution analyses <b>Bunsho Ohtani</b> , Hokkaido University, Japan
11:30-12:10	13:30-14:10	Title: Nanowires in a thermal gradient: From resistive chemosensors to smart detection <b>Matteo Tonezzer</b> , IMEM-CNR, Italy
12:10-12:50	15:10-15:50	Title: The role of thermomechanical reactions in memory behavior of shape memory alloys <b>Osman Adiguzel</b> , Firat University, Turkey

## Poster Presentations

12:50-13:00	21:50-22:00	Title: Enhanced activity of $\text{TiO}_2$ -based photocatalyst under visible light: Selective preparation of $\text{Ti}^{3+}/\text{TiO}_2/\text{CNT}$ and $\text{Ti}^{3+}/\text{TiO}_2/\text{carbon layer}$ nanocomposites <b>Jeasmin Akter</b> , Jeonbuk National University, Republic of Korea
13:00-13:10	15:00-15:10	Title: Studies of influence of a magnetic field on mixing efficiency <b>Tomasz Borowski</b> , West Pomeranian University of Technology in Szczecin, Poland
13:10-13:20	15:10-15:20	Title: Preparation of Iron pigments based on waste Iron(II) Sulfate <b>Kamila Splinter</b> , West Pomeranian University of Technology in Szczecin, Poland

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13:20-13:30	18:50-19:00	Title: ZSM-5 modified catalysts for the conversion of bioethanol to aromatics  <b>Swati saini</b> , CSIR-Indian Institute of Petroleum, India
13:30-13:40	15:30-15:40	Title: Selective catalytic oxidation of ammonia to dinitrogen over hydrotalcite-like derived multicomponent oxide systems  <b>Sylwia Gorecka</b> , Technical University of Ostrava, Czech Republic
13:40-13:50	15:40-15:50	Title: SILP materials based on TiO <sub>2</sub> -SiO <sub>2</sub> support as efficient and recyclable catalytic systems for hydrosilylation reaction  <b>Olga Bartlewicz</b> , Adam Mickiewicz University, Poland
<b>Oral Presentations</b>		
13:50-14:10	16:50-17:10	Title: Aromatic polymers as a stabilizing medium for Pd nanoparticles in Suzuki reaction  <b>Linda Zh. Nikoshvili</b> , Tver State Technical University, Russia
14:10-14:30	16:10-16:30	Title: Neutralization reaction induced by different types of magnetic field  <b>Dawid Sołoduca</b> , West Pomeranian University of Technology in Szczecin, Poland
14:30-14:50	16:30-16:50	Title: Production of liquid fuel from furan derivatives through microwave-aided process in bi-mixtures with monophasic configuration  <b>Richard Ahorsu</b> , Rovira I Virgili University, Spain
14:50-15:10	16:50-17:10	Title: Catalytic wet air oxidation of antibiotics over supported platinum on different supports fractions based CeO <sub>2</sub> and ZrO <sub>2</sub>  <b>Mahdi Bourassi</b> , Environmental Science, Czech republic

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15:10-15:30	16:10-16:30	Title: Effect of Iodine doping ZnO on electrochemical ethylparaben (EthP) detection  <b>BOUAZIZ Lydia</b> , Laboratory of Functional Organic Analysis, Algeria
15:30-15:50	17:30-17:50	Title: Efficient adsorption of lead ions from aqueous solution using Fe/Mg modified grape pomace hydrochar  <b>Jelena T Petrovic</b> , Institute for Technology of Nuclear and Other Raw Mineral Materials, Serbia
15:50-16:10	21:20-21:40	Title: One-pot hydrogenation-esterification of furfural with acetic acid for the selective synthesis of furfuryl acetate over bifunctional Pd@UiO-66(Hf) catalyst  <b>Bhavana B. Kulkarni</b> , Materials Science & Catalysis Division, India
16:10-16:30	21:40-22:00	Title: Highly reusable novel Sodium Titanate nanotube catalyst for Biodiesel production  <b>Binitha N Narayanan</b> , Sree Neelakanta Government Sanskrit College Pattambi, India
16:30-16:50	19:30-19:50	Title: The role of the hydrolases in drug synthesis  <b>Özlem ALPTEKİN</b> , Cukurova University, Turkey
16:50-17:10	17:50-18:10	Title: Lattice Boltzmann simulation of metal foam porosity effects on phase transition phenomenon in a latent heat storage device  <b>Riheb Mabrouk</b> , University of Monastir, Tunisia

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**Thanking Note and Closing Ceremony**

# UPCOMING CONFERENCES

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

March 28-30, 2022 | Singapore

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

May 16-17, 2022 | Tokyo, Japan

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

September 05-07, 2022 | Paris, France

## QUERIES? CONTACT

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