9TH EDITION OF INTERNATIONAL CONFERENCE ON
CATALYSIS, CHEMICAL ENGINEERING AND TECHNOLOGY

21-22 OCT 2021

SPONSOR & EXHIBITOR

ORGANOMETALL.I.CS
### Keynote Presentations

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

### Oral Presentations

<table>
<thead>
<tr>
<th>GMT Timings</th>
<th>Local Timings</th>
<th>Title: Highly efficient functionalized calix[4]pyrrole wrapped scrupulous nano-palladium catalyst</th>
</tr>
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<tbody>
<tr>
<td>12:10-12:30</td>
<td>17:40-18:00</td>
<td><strong>Keyur Bhatt</strong>, Ganpat University, India</td>
</tr>
</tbody>
</table>
| 12:30-12:50 | 15:30-15:50   | Title: Sustainable removal of Phosphate from aqueous solutions by Electrodeionization (EDI)  
**Ozgur Arar**, Ege University, Turkey                                                  |
| 12:50-13:10 | 09:50-10:10   | Title: Review of research topics for scaling-up of sonochemical reactors (sono-reactors)  
**Orlando Elguera**, Universidade de São Paulo, Brazil                                 |
| 13:10-13:30 | 22:10-22:30   | Title: Computational design of highly active electrocatalysts for oxygen evolution reaction  
**Hyeyoung Shin**, Chungnam National University, Republic of Korea                     |
| 13:30-13:50 | 15:30-15:50   | Title: Characterization of petroleum fractions by in situ EPR spectroscopy  
**Ben Tayeb Karima**, University of Lille, France                                       |
| Time          | Title                                                                 | Speaker                                                                                   | Institution/Location                      |
|--------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 13:50-14:10  | Title: Palladium-catalyzed benzylic-like nucleophilic substitution of benzofuran-2-ylmethyl acetate with N, S, O and C soft nucleophiles | Antonia Iazzetti, Catholic University of Sacred Heart, Italy |                                    |
| 14:10-14:30  | Title: Effect of tunable redox behavior of bis chelate substituted 1, 10-phenanthroline Cu(II) complexes on its reaction with superoxide anion in DMSO. Toward a simple criterion to identify a SOD-like mechanism | Mayra E. Manzanera-Estrada, Instituto Tecnològico Superior Zacatecas Sur, Mexico |                                    |
| 14:30-14:50  | Title: Green solvents as a new tool for olefin metathesis             | Ervin Kovács, Research Centre for Natural Sciences, Hungary                                |                                    |
| 14:50-15:10  | Title: Adsorptive removal of toxic phenol from industrial wastewater using low-cost adsorbents | Ashanendu Mandal, Doctorate in Chemical Engineering at University of Calcutta, India |                                    |
| 15:10-15:30  | Title: Transition metal-catalyzed site-selective C-H functionalization of N-heteroaromatics | Devalina Ray, Amity University, India                                                     |                                    |
| 15:30-15:50  | Title: Supercritical fluids as reaction media for scalable production of Carbon nanomaterials | Haider Almkhelfe, Kansas State University, Iraq                                           |                                    |
| 15:50-16:10  | Title: Development of NiZn bimetallic catalysts for Hydrogen evolution via selective dehydrogenation of Methylcyclohexane | Anaam Al-Shaikh Ali, Saudi Aramco, Research and Development Center, Saudi Arabia         |                                    |
| 16:10-16:30  | Title: Heck catalysis of palladium nanoparticles obtained in different reducing systems | Rocio Redon, National Autonomous University of Mexico, Mexico                           |                                    |
### Final Program

#### Keynote Presentations

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>17:30-18:10</td>
<td>Hierarchical porous metals manufactured by powder metallurgy and de-alloying</td>
<td>Yuyuan Zhao</td>
<td>University of Liverpool, United Kingdom</td>
</tr>
</tbody>
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<tr>
<td>16:30-16:50</td>
<td>Teaching and Learning Chemistry in context with Nanotechnology applications</td>
<td>Riam Abu Much</td>
<td>The Academic Arab College for Education in Haifa, Israel</td>
</tr>
<tr>
<td>16:50-17:10</td>
<td>Degradation of non-steroidal drug under solar irradiation in the presence of NiFe₂O₄ nanoparticle</td>
<td>Boucheloukh Hadjira</td>
<td>University of Constantine, Algeria</td>
</tr>
<tr>
<td>17:10-17:30</td>
<td>Mathematical modeling of the adsorption process with variable conditions</td>
<td>Miryusif Mirbabayev</td>
<td>Azerbaijan Technical University, Azerbaijan</td>
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</tbody>
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END of Day 1
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<tr>
<th>GMT Timings</th>
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<th>Title: β-Alkynol inhibition in Ru/Pt dual catalysis for hydrosilylation of silicones</th>
</tr>
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<tr>
<td>10:10-10:50</td>
<td>12:10-12:50</td>
<td>Pierre Chevalier, Dow Silicones Belgium SPRL, Belgium</td>
</tr>
<tr>
<td>10:50-11:30</td>
<td>19:50-20:30</td>
<td>Title: True design and characterization of catalyst and photocatalyst materials through electron trap-distribution analyses</td>
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<td>Bunsho Ohtani, Hokkaido University, Japan</td>
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<tr>
<td>11:30-12:10</td>
<td>13:30-14:10</td>
<td>Title: Nanowires in a thermal gradient: From resistive chemosensors to smart detection</td>
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<td>Matteo Tonezzer, IMEM-CNR, Italy</td>
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<tr>
<td>12:10-12:50</td>
<td>15:10-15:50</td>
<td>Title: The role of thermomechanical reactions in memory behavior of shape memory alloys</td>
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<td>Osman Adiguzel, Firat University, Turkey</td>
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<td><strong>Poster Presentations</strong></td>
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<tr>
<td>12:50-13:00</td>
<td>21:50-22:00</td>
<td>Title: Enhanced activity of TiO$_2$-based photocatalyst under visible light: Selective preparation of Ti$^{3+}$/TiO$_2$/CNT and Ti$^{3+}$/TiO$_2$/carbon layer nanocomposites</td>
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<tr>
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<td>Jeasmin Akter, Jeonbuk National University, Republic of Korea</td>
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<tr>
<td>13:00-13:10</td>
<td>15:00-15:10</td>
<td>Title: Studies of influence of a magnetic field on mixing efficiency</td>
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<td>Tomasz Borowski, West Pomeranian University of Technology in Szczecin, Poland</td>
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<td>Kamila Splinter, West Pomeranian University of Technology in Szczecin, Poland</td>
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<tr>
<td>Time</td>
<td>Title</td>
<td>Presenter</td>
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<tr>
<td>13:20-13:30</td>
<td>Title: ZSM-5 modified catalysts for the conversion of bioethanol to aromatics</td>
<td>Swati Saini</td>
</tr>
<tr>
<td>13:30-13:40</td>
<td>Title: Production of liquid fuel from furan derivatives through microwave-aided process in bi-mixtures with monophasic configuration</td>
<td>Richard Ahorsu</td>
</tr>
<tr>
<td>13:40-13:50</td>
<td>Title: SILP materials based on TiO$_2$-SiO$_2$ support as efficient and recyclable catalytic systems for hydrosilylation reaction</td>
<td>Olga Bartlewicz</td>
</tr>
<tr>
<td>13:50-14:10</td>
<td>Title: Aromatic polymers as a stabilizing medium for pd nanoparticles in Suzuki reaction</td>
<td>Linda Zh. Nikoshvili</td>
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<tr>
<td>14:10-14:30</td>
<td>Title: Neutralization reaction induced by different types of magnetic field</td>
<td>Dawid Sołoducha</td>
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<tr>
<td>14:30-14:50</td>
<td>Title: Catalytic wet air oxidation of antibiotics over supported platinum on different supports fractions based CEO2 and ZRO2</td>
<td>Mahdi Bourassi</td>
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<tr>
<td>14:50-15:10</td>
<td>Title: Effect of Iodine doping ZnO on electrochemical ethylparaben (EthP) detection</td>
<td>BOUAZIZ Lydia</td>
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<td>Time</td>
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<td>Speaker</td>
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<td>15:10-15:30</td>
<td>Efficient adsorption of lead ions from aqueous solution using Fe/Mg</td>
<td>Jelena T Petrovic</td>
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<td>modified grape pomace hydrochar</td>
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<td>15:30-15:50</td>
<td>One-pot hydrogenation-esterification of furfural with acetic acid</td>
<td>Bhavana B. Kulkarni</td>
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<td>for the selective synthesis of furfuryl acetate over bifunctional</td>
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<td>Pd@UiO-66(Hf) catalyst</td>
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<td>15:50-16:10</td>
<td>Highly reusable novel Sodium Titanate nanotube catalyst for Biodiesel</td>
<td>Binitha N Narayanan</td>
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<td>production</td>
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<td>16:10-16:30</td>
<td>The role of the hydrolases in drug synthesis</td>
<td>Ozlem ALPTEKİN</td>
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<td>16:30-16:50</td>
<td>Advanced Lattice Boltzmann simulation of melting/solidifying processes</td>
<td>Riheb Mabrouk</td>
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<td>of a composite metal foam/paraffin through a rectangular channel</td>
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<tr>
<td>17:50-18:10</td>
<td>Impact of supplementary nutrients on Bio-methane production from anaerobic digestion of farming waste: Feasibility &amp; fertilizer recovery</td>
<td>Nurul Islam Siddique</td>
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Thanking Note and Closing Ceremony
UPCOMING CONFERENCES

10th Edition of Global Conference on Catalysis, Chemical Engineering and Technology
March 28-30, 2022 | Singapore

11th Edition of International Conference on Catalysis, Chemical Engineering and Technology
May 16-17, 2022 | Tokyo, Japan

12th Edition of Global Conference on Catalysis, Chemical Engineering & Technology
September 05-07, 2022 | Paris, France

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