



CATALYSIS2024

Scientific Program

Global Congress on

Catalysis, Chemical Engineering and Technology

March 22, 2024 | Virtual

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Friday, March 22, 2024

Time Zone : Italy (GMT+1)

10:00-10:40	P	<p>Title: F-element Organometallics in Catalysis. Catalytic Regeneration of Hydrides Towards The Recycling of Polymers and Activation of CO₂</p> <p>Moris S. Eisen , <i>Technion–Israel Institute of Technology, Israel</i></p>
10:40-11:20	P	<p>Title: Engineering at the Nanoscale: A Strategy for Developing High Performance Functional Materials from Agrowaste</p> <p>Sabu Thomas, <i>Mahatma Gandhi University, India</i></p>
11:20-12:00	P	<p>Title: Natural Polymers of Bacterial Origin and their Biomedical Applications</p> <p>Ipsita Roy, <i>University of Sheffield, UK</i></p>
12:00-12:25	I	<p>Title: Development of Millichannel Catalytic Reactors for the Conversion of Biogas to Synthetic Natural Gas (SNG) for its Direct Injection into the Gas Network</p> <p>Susana Perez Gil, <i>TECNALIA RESEARCH & INNOVATION</i></p>
12:25-12:50	I	<p>Title: Rational Design of Novel Energy Materials and the Functional Interfaces by Multiscale Computer Simulations</p> <p>Zhujie Li, <i>Beijing Institute of Technology, China</i></p>
12:50-13:15	I	<p>Title: Sensing of TM Ions Using Fluorescent Nanoparticles</p> <p>Nadeem Elhussieny, <i>Mushlabs GmbH , Germany</i></p>
13:15-13:40	I	<p>Title: Enhancing Industrial Wastewater Treatment</p> <p>Komal Verma, <i>Indian Institute of Technology Guwahati, India</i></p>
13:40-14:05	I	<p>Title: Catalytic/Inhibition Effects of Premicelles and Micelles of Ionic and Nonionic Surfactants on Chemical Reactions: Morphological Studies</p> <p>Biswajit Pal , <i>St. Paul's Cathedral Mission College, India</i></p>
14:05-14:30	I	<p>Title: Anisotropization of Quasistatic MHD Turbulence with an Increasing Magnetic Field: Transition from Three to Two Dimensions</p> <p>Di Zhang , <i>Aviation Safety Engineering at Civil Aviation Flight University, China</i></p>
14:30-14:55	I	<p>Title: Photocatalytic Application of Nanocomposites for Waste Water Treatment</p> <p>Hema Bhandari, <i>Maitreyi College, University of Delhi, India</i></p>
14:55-15:20	I	<p>Title: Fe-Based Perovskites for CO₂ Hydrogenation to Liquid Fuels</p> <p>Nothando Shiba, <i>University of South Africa, South Africa</i></p>
15:20-15:55	I	<p>Title: The Correlation between the Local Structure of Active Aite and Selectivity</p> <p>Yong Xu, <i>Guangdong University of Technology, China</i></p>
15:55-16:20	I	<p>Title: Ionic Liquid based Nano-Photocatalytic Conversion of WCO into Biodiesel and Triacetin</p> <p>Dipesh S Patle, <i>Motilal Nehru National Institute of Technology Allahabad, India</i></p>

16:20-16:45	I	Title: Achieving Ignition and Energy Gain for the First Time in Laboratory Thermonuclear Fusion Research – The Diagnostic Innovations that Made this Historic Breakthrough Possible
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Xiangjiu Guan , <i>Xi'an Jiaotong University, China</i>		
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16:45-17:10	I	Title: Modeling the Synthesis and Application of Polymeric Catalysts
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Leandro Aguiar , <i>University of São Paulo, Brazil</i>		
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17:10-17:40	K	Title: Distal Functionalization via Transition Metal Catalysis
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Haibo Ge , <i>Texas Tech University, USA</i>		
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17:40-18:05	I	Title: Harnessing The Self-Assembly of Active Functional Nanomaterials for Innovative Electronic Property
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Bo Li , <i>Kennesaw State University, USA</i>		
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18:05-18:30	I	Title: A Novel Approach for Detection and Control of Alizarin Red S, Petroleum, and Oil Contamination in Water
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Gerardo Alejandro Montano Gonzalez , <i>Universidad Autonoma de Nuevo Leon, Mexico</i>		

End of Virtual Presentations
