

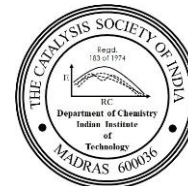


CATSCHOL-2020

Institute of Chemical Technology, Mumbai

In

Association with The Catalysis Society of India.
Mumbai, Maharashtra, India



Conference Schedule

Registration: <https://forms.gle/PHcYC8jwW5z193i79>

Join Zoom Meeting

<https://zoom.us/j/98088512659?pwd=SmlXd3dpRWtHMVBXL3A0cXo0K2E5QT09>

Meeting ID: 980 8851 2659

Passcode: 383867

19th December 2020 - Day 1

9:00 am to 9:15 am	Online Joining for Conference	
9:15 am to 9:20 am	Inauguration Ceremony	
9:20 am to 9:30 am	Address by Prof. B M Bhanage , (<i>FRSC, FBRSI, FMASc.</i>) Dean ICD, Institute of Chemical Technology Chairman: Catalysis Society of India, Mumbai Chapter	
9:30 am to 9:35 am	Address by Prof. V K Rathod Professor in Department of Chemical Engineering, Secretary: Catalysis Society of India, Mumbai Chapter	
9:35 am to 9:45 am	Address by Dr. Sharad Lande , AVP, Reliance Industries Ltd.	
9:45 am to 10:30 am	Plenary Lecture: Dr. R V Jasra , (<i>FNA, FNAE</i>) Senior Vice President, Reliance Industries Ltd. President: Catalysis Society of India	
10:30 am to 10:35 am	Break	
Session 1: Heterogeneous Catalysis		
10:35 am to 10:55 am	Dr. Supriya Pratap Babar	Synthesis of Quinoxaline derivatives by using Organic Clay as Greener Method
10:55 am to 11:15 am	Pranjal Gogoi	Steam reforming of glycerol over W promoted Ni-ceo2 catalysts
11:15 am to 11:35 am	ARUN.R	Sulphonic acid functionalised SBA-15 as efficient catalyst for organic transformations.
11:35 am to 11:55 am	Pallavi Vanjari	A review on reactor configurations and catalysts for direct hydrogenation of CO2 to methanol
11:55 am to 12:15 pm	Govind Porwal	Mechanistic Insights into the pathways of phenol hydrogenation on Pd nanostructures
12:15 pm to 12:35 pm	Vishnu Gite	Synthesis of n-Octyl Acetate Using Heterogeneous Catalyst Under Solvent Free Condition: Kinetic Study
12:35 pm to 1:30 pm	Lunch	

Session 2: Photocatalysis		
1:30 pm to 1:50 pm	Bindu	Directed holey and ordered g-C ₃ N ₄ nanosheets by a hard template nanocasting approach for sustainable visible-light hydrogen evolution with prominent quantum efficiency.
1:50 pm to 2:10 pm	Jayendra Pandit Ahire	Solar energy-controlled shape selective synthesis of zinc oxide nanomaterials and its catalytic application in synthesis of glycerol carbonate
2:10 pm to 2:30 pm	Asutosh Patra	Enhanced Photoinduced Catalytic Activity Studies of Surface Functionalized Ce-Doped CdS Nanoparticles
2:30 pm to 2:50 pm	Mr. Naveen Kumar	2-Mercaptobenzimidazole Ligand-Based Models of the [Fef] Hydrogenase: Synthesis, Characterization and Electrochemical Studies
2:50 pm to 3:10 pm	Bhumika Pandurang Patil	Photocatalytic degradation of reactive dyes over Ag-TiO ₂ /CFA photocatalysts
3:10 pm to 3:30 pm	Maali Amel Mersel	Enhanced photocatalytic H ₂ production on CdS-ZnS semiconductor
3:30 pm to 3:40 pm	Break	
Session 3: Nanocatalysis		
3:40 pm to 4:00 pm	Dr Deepa Dumbre	Carbon dioxide reforming of methane using nanostructured mono, bi-metallic (Ni-Co, Ni-Rh) and tri-metallic Ni(CoRh) catalysts supported on mesoporous alumina for better activity and stability
4:00 pm to 4:20 pm	Dr. Hemant P. Soni	Fe ₃ O ₄ @L-proline/Pd Nanocomposite for One Pot Tandem Catalytic Synthesis of (±) - Warfarin from Benzyl Alcohol: Synergistic Action of Organocatalyst and Transition Metal Catalyst
4:20 pm to 4:50 pm	Aayush Alpesh Shah	Application of Nanocatalysts in Green Fuel and Chemical Production
End of Day 1		

Join Zoom Meeting

<https://zoom.us/j/98740856394?pwd=dkiCVEVJcWhFNEFWZm5kdnlXbm1jZz09>

Meeting ID: 987 4085 6394

Passcode: 864909

20th December 2020 - Day 2

9:00 am to 9:15 am	Online Joining for Conference	
Session 4: Environmental Catalysis and Bio-Catalysis		
9:15 am to 9:35 am	Leelavathi Annamalai	Size selective oxidation of alkanes by microporous oxide
9:35 am to 9:55 am	Tejas Mohan Ukarde	Catalytic Liquefaction of Plastic Waste into Hydrocarbon Oil
9:55 am to 10:15 am	Praveen kumar G	Tailored efficient pillared clays (PILC) for hydrocarbon fuels production from municipal mixed plastic waste
10:15 am to 10:35 am	Chandrodai Agarkoti	Hybrid AOPs based on hydrodynamic cavitation coupled with homogeneous catalysts for the treatment of CETP effluent
10:35 am to 10:55 am	Dhairiyashil Santre	Synthesis of CaO catalyst from waste for production of biodiesel.
10:55 am to 11:00 am	Break	
Session 5: Catalysis for renewable sources		
11:00 am to 11:20 am	Preeti Pandey	An efficient and recyclable catalyst for conversion of Carbon Dioxide into Formic acid
11:20 am to 11:40 am	Adarsh Kumar	Catalytic hydrodeoxygenation of lignin derived phenolic compounds over HRO based catalytic system for production of cyclohexanol(s)
11:40 am to 12:00 pm	Atindra Mohan Banerjee	Development of Catalysts and Electrocatalysts for Thermochemical Hydrogen Generation by Iodine-Sulfur, Hybrid-Sulfur and Copper-Chlorine Cycles
12:00 pm to 12:20 pm	Pithadia Dhruvi Kamleshkumar	Potential biodiesel blend from sustainable esterification of levulinic acid over anchored 12-tungstophosphoric acid
12:20 pm to 12:40 pm	Ankur Kumar	Hydrothermally Synthesized Hollow PdSn Alloy Nanoparticles Prepared by Auto-Galvanic Replacement Process for Efficient Hydrogen Evolution Reaction
12:40 pm to 1:30 pm	Lunch Break	

Session 6: Chemical Synthesis and Catalysts Synthesis		
1:30 pm to 1:50 pm	Kunj S. Talati	Solvent free secondary amine catalyzed diastereoselective cross domino reaction: Simple and an efficient synthesis of cyclohexanols
1:50 pm to 2:10 pm	Bandhan Saha	Catalytic Removal of Cross Impurities Present in O ₂ and H ₂ Streams from Electrolytic Water Splitting
2:10 pm to 2:30 pm	Dhara Hasmukhbhai Morawala	DTAB mediated synthesis of meso-H-BEA catalyst and its application in the synthesis of value-added chemical
2:30 pm to 2:50 pm	Shyam Sunder R. Gupta	Copper-catalyzed oxidative methyl-esterification of HMF using TBHP as an oxidising and methylating reagent: A new approach for the synthesis of FDMC
2:50 pm to 3:10 pm	Dr. Sonal Thakore	Nanoreactors from Self assembling amphiphilic Polymers
3:10 pm to 3:30 pm	Amar G. Deshmukh	Bio Inspired Sustainable Nano Catalysis: Degradation of Azo Dyes from Industrial Influent
3:30 pm to 3:40 pm	Break	
Session 7: Green and Sustainable Chemistry		
3:40 pm to 4:00 pm	Priyanka Sayaji Sathe	Valorization of rice husk biochar for soil amendment
4:00 pm to 4:20 pm	Shruti Aich	Studies on Mo ₂ C electrocatalyst for hydrogen evaluation reactions
4:20 pm to 4:40 pm	Abhilasha Rai	Application of micro algal culture as live biocatalyst for the phycoremediation of pollutants from the secondary treated coke-oven wastewater
4:40 pm to 5:00 pm	ANUPREET KAUR	Lipase catalyzed biotransformation of a newly synthesized dihydropyridines as a key to chiral intermediates
5:00 pm to 5:10 pm	Vote of Thanks	

End of Conference