



Day 2,  
December 27, 2020, Sunday






**Join Zoom Meeting**

<https://zoom.us/j/98649832354?pwd=cU9SVjlQMzIvSIZCTXZlS1FPWHJsUT09>




Meeting ID: 986 4983 2354

Passcode: 593761

Chemical Engineering & Green Chemistry Section		
Venue:	ICT, Mumbai	
Scientist-in-Charge:		<b>Prof. Virendra K Rathod</b> Institute of Chemical Technology, Mumbai (9869534394, <a href="mailto:vk.rathod@ictmumbai.edu.in">vk.rathod@ictmumbai.edu.in</a> )
Conveners:		<b>Prof. Bhalchandra M. Bhanage</b> Institute of Chemical Technology, Mumbai, (9323994018, <a href="mailto:bm.bhanage@gmail.com">bm.bhanage@gmail.com</a> , <a href="mailto:bm.bhanage@ictmumbai.edu.in">bm.bhanage@ictmumbai.edu.in</a> )
		<b>Dr. Avijit Ghosh</b> Heritage Institute of Technology, Kolkata (9830752111, <a href="mailto:avijitghosh.che@gmail.com">avijitghosh.che@gmail.com</a> )

## Session-I

9.55 am – 10.00 am	Event Joining
10.00 am – 10.10 am	Introductory Remarks by the Scientist-in-Charge: Prof. Virendra K Rathod and Conveners: Prof. Bhalchandra M. Bhanage and Dr. Avijit Ghosh
<b>Chairperson: Prof. V. K. Rathod, ICT, Matunga, Mumbai</b>	
<b>Award Papers</b>	
10.10 am – 10.25 am	<b>Presenter: Samyabrata Bhattacharjee,</b> <i>Haldia Institute of Technology, Haldia</i> <b>Topic:</b> Selective production of aromatic compound from the waste plastics by using porous carbonaceous material as catalyst.
10.25 am – 10.40 am	<b>Presenter: Arkaprabha Giri,</b> <i>Indian Institute of Science Education and Research Bhopal, Bhopal</i> <b>Topic:</b> Porous Organic Molecules to Porous Organic Polymers: Potential Catalysts for CO <sub>2</sub> Fixation.

<b>Invited Speakers</b>	
10.40 am – 11.20 am	 <p><b>Invited Talk 1</b>            Speaker: <b>Dr. R.V. Jasra, Reliance Industries Ltd.</b>            Title: <b>Catalysis for Green and Circular Chemical Production.</b></p>
11.20 am – 12.00 pm	 <p><b>Invited Talk 2</b>            Speaker: <b>Prof. Chandramouli Subramaniam, IIT, Bombay</b>            Title: <b>Nanostructured carbons for highly efficient solar-thermal conversion devices</b></p>
12.00 pm – 12:40 pm	 <p><b>Invited Talk 3</b>            Speaker: <b>Prof. P. Selvam, IIT, Madras</b>            Title: <b>Green Chemistry and Catalysis for Sustainability</b></p>
12:40 pm – 2.00 pm	<b>Lunch</b>

## Session- II

<b>Chairperson: Dr. Sharad Lande, Reliance Industries Ltd. Mumbai</b>	
<b>Award Papers</b>	
2.00 pm – 2.15 pm	<p><b>Presenter: Tushar Kant,</b>  <i>Pt. RavishankarShukla University, Raipur</i>  <b>Topic:</b> Fabrication of Gold Nano-Ink as Electrochemical Sensor for Glucose Detection</p>
2.15 pm – 2.30 pm	<p><b>Presenter: Animesh Acharjee,</b>  <i>The University Burdwan</i>  <b>Topic:</b> Single and mixed micelle as catalyst in promoted organic transformation.</p>
2.30 pm – 2.45 pm	<p><b>Presenter: Varsha Verma</b>  <i>MATS University, Raipur</i>  <b>Topic:</b> Screening Of Ethnomedicinal Plant On B16 Melanoma Cells Using Cell Viability Assay: In Vitro Study.</p>
2.45 pm – 3.00 pm	<p><b>Presenter: Govind Porwal,</b>  <i>CSIR-National Chemical Laboratory, Pune</i>  <b>Topic:</b> Mechanistic Insights into the Pathways of Phenol Hydrogenation on Pd Nanostructures</p>

## Invited Speakers

3.00 pm – 3.40 pm		<b>Invited Talk 4</b> Speaker: <b>Dr. K. Vijaya Mohanan Pillai, IISER, Tirupati</b> Title: Lithium Battery recycling and recovery in a circular economy: An Indian Perspective
3.40 pm – 4.20 pm		<b>Invited Talk 5</b> Speaker: <b>Dr. S. Kannan, CSIR-CSMCRI, Bhavnagar</b> Title: Catalytic hydrogenation of luvulinic acid to g-Valerolacetone – A bio-based molecule with tremendous opportunities.
4.20 pm – 5.00 pm		<b>Invited Talk 6</b> Speaker: <b>Dr. Prasad Bhagavatula, CSIR-NCL, Pune</b> Title: 2D metal thiolates as single source precursors for the solvent less preparation of semiconducting metal and bimetallic sulphide nanocrystals.
5.00 pm – 5.40 pm		<b>Invited Talk 7</b> Speaker: <b>Prof. K. K. Pant, IIT, Delhi</b> Title: Tuning the $\text{Cu}^0$ and $\text{Cu}^+$ ratio on $\text{Cu}_x\text{O}$ decorated ZnO-MgO catalysts for conversion of $\text{CO}_2$ containing syngas to methanol and dimethyl ether.
5.40 pm – 6.20 pm		<b>Invited Talk 8</b> Speaker: <b>Prof. Kulamani Parida, Centre for Nano science and Technology, Bhubaneswar</b> Title: Photocatalytic $\text{N}_2$ fixation: A revolution in the agriculture and energy industries



Day 3,  
December 28, 2020, Monday






**Join Zoom Meeting**


<https://zoom.us/j/95729732933?pwd=cUZ6UGZCYk1JeDRZeEpHaXBEZxpWUT09>

Meeting ID: 957 2973 2933

Passcode: 984079




Chemical Engineering & Green Chemistry Section		
Venue:	ICT, Mumbai	
Scientist-in-Charge:		<b>Prof. Virendra K Rathod</b> Institute of Chemical Technology, Mumbai (9869534394, <a href="mailto:vk.rathod@ictmumbai.edu.in">vk.rathod@ictmumbai.edu.in</a> )
		<b>Prof. Bhalchandra M. Bhanage</b> Institute of Chemical Technology, Mumbai, (9323994018, <a href="mailto:bm.bhanage@gmail.com">bm.bhanage@gmail.com</a> , <a href="mailto:bm.bhanage@ictmumbai.edu.in">bm.bhanage@ictmumbai.edu.in</a> )
Conveners:		<b>Dr. Avijit Ghosh</b> Heritage Institute of Technology, Kolkata (9830752111, <a href="mailto:avijitghosh.che@gmail.com">avijitghosh.che@gmail.com</a> )

## Session- III

10.00 am – 10.10 am	Introductory Remarks by the Scientist-in-Charge: Prof. Virendra K Rathod and Conveners: Prof. Bhalchandra M. Bhanage and Dr. Avijit Ghosh	
<b>Chairperson: Prof. A. W. Patwardhan, Head, CE Dept., ICT, Mumbai</b>		
Invited Speakers		
10.10 am – 10.50 am		<b>Invited Talk 9</b> Speaker: <b>Dr. Nitin Labhasetwar,</b> <b>CSIR-NEERI, Nagpur</b> Title: <b>Low-cost Catalytic Materials for Cleaner Energy and Environmental Application</b>

10.50 am – 11.30 am		<b>Invited Talk 10</b> Speaker: <b>Prof. Ir Dr Abu Bakar Sulong, Universiti Kebangsaan Malaysia</b> Title: Processing of solid and foamed composite from recycled high density polyethylene (rHDPE) reinforced rice husk
11.30 am – 12.10 pm		<b>Invited Talk 11</b> Speaker: <b>Dr. C.V. Rode, CSIR-NCL, Pune</b> Title: Furfural: A Renewable Building Block for Biorefinery Applications
12.10 pm – 12:50 pm		<b>Invited Talk 12</b> Speaker: <b>Dr. C.S. Gopinath, CSIR-NCL, Pune</b> Title: Solar Hydrogen Generation.
12:50 pm – 2.00 pm	Lunch	

## Session-IV

<b>Chairperson: Prof. P. R. Gogate , ICT, Mumbai</b>		
<b>Invited Speakers</b>		
2.00 pm – 2.40 pm		<b>Invited Talk 13</b> Speaker: <b>Dr. P.L. Dhepe, CSIR-NCL, NCL, Pune</b> Title: Basic and Applied approaches for valorization of biomass to chemical.
2.40 pm – 3.10pm		<b>Invited Talk 14</b> Speaker: <b>Dr. T. Bhaskar, CSIR-IIP, Dehradun</b> Title: Valorization of Lignin: Role of green catalytic processes and challenges
3.10 pm – 3.50 pm		<b>Invited Talk 15</b> Speaker: <b>Prof. Anil Verma, IIT, Delhi</b> Title: E-Mobility: Energy Storage Platform for EV Charging.



3.50 pm – 4.30 pm		<b>Invited Talk 16</b> Speaker: <b>Dr. A.K. Sinha, CSIR-IIP, Dehradun</b> Title: <b>Production of Bio-Jet and JP-10 fuels in India</b>
4.30 pm – 5.10 pm		<b>Invited Talk 17</b> Speaker: <b>Dr. Manorama, CSIR-IICT, Hyderabad</b> Title: <b>Facile Routes Towards Synthesis of Functional Nanomaterials: Applications in Energy, Environment &amp; Biology</b>
<b>Chairperson: Prof. P.D Vaidya, ICT, Mumbai</b>		
<b>General Papers</b>		
5.10 pm – 5.25 pm		<b>Presenter: Sameer Vyas,</b> <i>Central Soil and Materials Research Station, New Delhi</i> <b>Topic:</b> Development of Fly Ash Based Geopolymer Concrete Using Nano-Silica
5.25 pm – 5.40 pm		<b>Presenter: Arti Chouhan,</b> <i>MNNIT Allahabad, Prayagraj</i> Topic: Band gap engineering of Cu@Zn-3PTZ Metal–organic framework composites
5.40 pm – 5.55 pm		<b>Presenter: Arvind K. Gautam,</b> <i>National Institute of Technology, Hamirpur</i> <b>Topic:</b> A thermodynamic analysis on liquid-crystal phase transition in supercooled SW-Silicon.
5.55 pm – 6.10 pm		<b>Presenter: Niraj S. Topare,</b> <i>Dr. Vishwanath Karad MIT World Peace University, Pune</i> <b>Topic:</b> A Review On Photochemical Technology For Removal Of Pesticides.
<b>Poster Presentation</b>		
6.10 pm – 6.20 pm		<b>Presenter: Neha Ghosh,</b> <i>CSIR-National Chemical Laboratory, Pune</i> <b>Topic:</b> Understanding The Properties Of Different Types Of Chitosan And Their Value Addition.
<b>Invited Speakers</b>		
6.20 pm – 7.00 pm		<b>Invited Talk 18</b> Speaker: <b>Prof. Vikramaditya G. Yadav, The University of British Columbia.</b> Title: <b>Green manufacturing and environmental remediation using synthetic biology</b>
<b>Vote of Thanks</b>		