

**2<sup>nd</sup> International Conference on  
Nanomaterials for Energy Conversion and Storage  
Applications (NECSA-2022)**

**January 19-21, 2022**

**Venue: Pandit Deendayal Energy University, Gandhinagar,  
Gujarat, India**

**Program Overview:**

**Day 2: January 20, 2022, Thursday**

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<b>SESSION-1</b>	<b>Chair: Dr. Amit Sant</b> <b>Co-chair: Dr. Kalisadhan Mukherjee</b>	<a href="#"><u>Join meeting</u></a>
9:30 hr – 10:15 hr <b>Indian Std. Time</b>	<b>Keynote Lecture</b> “Solar-thermal conversion using nanostructured porous hard-carbons” by <b>Prof. Chandramouli Subrahmanian</b> , Department of Chemistry, Indian Institute of Technology Bombay, Mumbai	
10:20 hr – 11:00 hr <b>Indian Std. Time</b>	<b>Plenary Lecture</b> “Photo-devices using encapsulation of iodine molecules in single-walled carbon nanotubes” by <b>Prof. Shinji Kawasaki</b> , Nagoya Institute of Technology, Japan	
11:00 hr – 11:45 hr <b>Indian Std. Time</b>	<b>Keynote Lecture</b> “Application of Nanotechnology to energy conversion and storage” by <b>Dr. S. Venugopalan, ISRO</b>	
11:45 hr – 12:15 hr <b>Indian Std. Time</b>	<b>Plenary Lecture</b> “Role of Pore Size of Nanomaterials for Supercapacitor Application” by <b>Dr. Amit Paul</b> , Associate Professor, Indian Institute of Science Education and Research (IISER) Bhopal	
12:15 hr – 12:35 hr <b>Indian Std. Time</b>	<b>Invited Lecture</b> “Simple, Cost Effective and Scalable Synthesis of Porous Hollow-spheres: The Efficient Materials for Energy Storage and Conversion Application” by <b>Dr. Asit Panda</b> , Principal Scientist, Functional Materials Group, Advanced Materials and Processes Division, CSIR-National Metallurgical Laboratory (CSIR-NML), Jamshedpur	
12:35 hr – 13:00 hr <b>Indian Std. Time</b>	<b>Invited Lecture</b> “Core-shell rGO decorated ZnO nanorods : A novel strategy of functionalization” by <b>Prof. Utpal Joshi</b> , Gujarat University, Ahmedabad	
	<b>BREAK</b>	
<b>SESSION-2</b>	<b>Chair: Dr. S. S. Roy</b> <b>Co-chair: Dr. Uttam Bhui</b>	<a href="#"><u>Join meeting</u></a>
14:00 hr – 14:40 hr <b>Indian Std. Time</b>	<b>Keynote Lecture</b> “Layered” Transition Metal Oxide for Na-ion Batteries by <b>Prof. Amartya Mukhopadhyay</b> , Department of Metallurgical Engg. And Materials Sc., IIT Bombay	
14:40 hr – 15:10 hr <b>Indian Std. Time</b>	<b>Plenary Lecture</b> “Nanostructured Materials and their Composites for Electrochemical Supercapacitor Applications” by <b>Prof. Pravin Ingole</b>	
15:15 hr – 15:30 hr <b>Indian Std. Time</b>	<b>Invited Lecture</b> “Policies and recent initiatives taken by Govt, of India in the proliferation of renewable energies in the country” by <b>Mr. Anil Kumar</b> , Ministry of New and Renewable Energies (MNRE), India	
15:30 hr – 15:45 hr <b>Indian Std. Time</b>	<b>Invited Lecture</b> “Micro / Nano structures – concept, importance, synthesis and characterization” by <b>Dr.</b>	

\*Time Zone: Indian Standard Time (IST)

	<b>Kingshuk Mukhopadhyay</b> , Addl. Director, DMSRDE, Kanpur	
15:45 hr – 16:00 hr <b>Indian Std. Time</b>	<b>Invited Lecture</b> by <b>Dr. Debmalya Roy</b> , Senior Scientist, DMSRDE, Kanpur	
	<b>BREAK</b>	
<b>SESSION-3</b>	<b>Chair: Dr. Ranjan Pati</b>	
16:05 hr – 17:00 hr <b>Indian Std. Time</b>	<b>ORAL PRESENTATIONS (O4-O9)</b>	<a href="#">Join meeting</a>
	<b>BREAK</b>	
17:05 hr – 18:00 hr <b>Indian Std. Time</b>	<b>POSTER PRESENTATIONS</b>	<a href="#">P1</a>   <a href="#">P2</a>
	<b>BREAK</b>	
<b>SESSION-4</b>	<b>Chair: Dr. Abhijit Ray</b>	
19:30 hr – 20:15 hr <b>Indian Std. Time</b>	<b>Keynote Lecture</b> “Nano/micro Textured Surfaces for Solar Energy Applications” by <b>Prof. Mool C. Gupta</b> , Department of Electrical & Computer Engr., University of Virginia, Charlottesville, VA, USA	<a href="#">Join meeting</a>

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