



# GREEN ENERGY MATERIALS MEET 2024

(International Symposium on Ceramics & Advanced Materials for Green Energy Value Chain)

## SESSION PLAN – DAY 1

09:00 AM - 10:00 AM		REGISTRATION	
10:00 AM - 01:00 PM		SESSION 1 INAUGURATION & KEYNOTE ADDRESS	
10:00 AM - 10:20 AM		WELCOME ADDRESS AND LIGHTING LAMP	
10:20 AM - 11:05 AM	Inaugural Keynote Address <i>(Introduction by Dr. Jayanta Mukhopadhyay)</i>	<b>Dr. Ashish Lele</b> Director, CSIR- National Chemical Laboratory, Pune, India <b>Title: Green Hydrogen Value Chain- Challenges and Opportunities</b>	
11:05 AM - 11:20 AM		TEA BREAK	
11:20 AM - 12:15 AM		SOUVENIR RELEASE Address by Chief Guest, Guest of Honor and Presidential Address	
12:15 PM - 01:00 PM	Keynote Address 2 <i>(Introduction by Dr. S T Aruna)</i>	<b>Prof. John T S Irvine</b> Professor, School of Chemistry, University of St. Andrews, UK <b>Title: Interfacial Engineering in Solid Oxide Cells</b>	
01:00 PM - 02:00 PM		LUNCH BREAK & POSTER SESSION (Evaluation: PP 001 - PP 020)	
		* Note: All the posters should be displayed by 10:30 AM for two days and Evaluation will be done by the Judges	
02:00 PM - 03:30 PM		SESSION 2 GREEN H <sub>2</sub> GENERATION & APPLICATION Chair: Dr. K Narayanan (HPCL Green R&D)	
02:00 PM - 02:40 PM	Keynote Address 3	<b>Dr. Michaela Wilhelm</b> Sr. Scientist, Advanced Ceramics, University of Bremen, Germany <b>Title: Ceramic Anode Materials for Bioelectrochemical Systems</b>	
02:40 PM - 03:05 PM	Invited Speaker 1	<b>Dr. Jayanta Mukhopadhyay</b> Energy Materials & Devices Division, CSIR-CGCRI, Kolkata <b>Title: Possibilities of Deep Decarbonization through Solid Oxide Cell Technology - A Short Review in Indian Perspective</b>	
03:05 PM - 03:30 PM	Invited Speaker 2	<b>Prof. M S Thakur</b> Advanced Research Center for Clean and Green Energy and Bioengineering Research Centre, Nitte Meenakshi Institute of Technology, Bangalore, India <b>Title: Green Hydrogen production from Direct Seawater Electrolysis for using Renewable Energies</b>	
03:30 PM - 04:00 PM		TEA BREAK & POSTER SESSION (Evaluation: PP 021 - PP 030)	
04:00 PM - 05:15 PM		SESSION 3 ENERGY STORAGE Chair: Prof. Bikramjit Basu (IISc Bangalore)	
04:00 PM - 04:25 PM	Invited Speaker 3	<b>Prof. Prabeer Barpanda</b> IISc, Bangalore <b>Title: Development of Economic Fe-based Hydroxysulfate Cathode for Lithium-Ion Batteries</b>	
04:25 PM - 04:50 PM	Invited Speaker 4	<b>Dr. Mir Wasim Raja</b> Energy Materials & Devices Division, CSIR-CGCRI, Kolkata <b>Title: "Liquid Therapy" and "Solid Therapy" in Engineered Solid Electrolyte (LLZO): High performance Solid-State Lithium Metal Batteries (SSLMBs)</b>	
04:50 PM - 05:15 PM	Invited Speaker 5	<b>Prof. Dinesh Rangappa</b> Department of Applied Sciences, Visvesvaraya Technological University, Muddenahalli campus <b>Title: Supercritical Fluid Process for Advanced Energy Storage Materials</b>	
05:15 PM - 06:30 PM		SESSION 4 SUPPLY CHAIN MEET Chair: Dr. Shyam S Rao (CUMI)	
05:15 PM - 05:30 PM	Speaker 1	<b>Dr. C D Madhusoodan</b>	BHEL Materials that Matter for Green Energy Systems
05:30 PM - 05:45 PM	Speaker 2	<b>Dr. Santanu Mandal</b>	CUMI A Collaborative Endeavour between CSIR-CGCRI & CUMI for Solid Oxide Electrolyzer Cell Development
05:45 PM - 06:00 PM	Speaker 3	<b>Dr. Prabhu Ramanujam</b>	Hindalco Alumina for Green Energy Applications
06:00 PM - 06:15 PM	Speaker 4	<b>Dr. Anil Gopala</b>	Lab India Equipments
06:15 PM - 06:30 PM	Speaker 5	<b>Mr. P G Chandramani</b>	Engineering Consultant
06:30 PM ONWARDS		NETWORK DINNER	
<b>END OF DAY 1</b>			

