

Shaping The Energy Future: Challenges and Opportunities (SEFCO)



Oral Presentations

August 27, 2021 (15:30-16:50)

Abstract ID	Author	Institution	Title
O-1	Ms. Anupama Kumari	IIT Roorkee	Modelling and simulation of gas production using depressurization from class 1 type gas hydrate reservoir
O-2	Dr. Rakesh Saini	IIT Bombay	Gasification of high-ash Indian coal: Challenges and opportunities
O-3	Mr. Dana Susan Abraham	Central University Kerala	Cu MOF-199 as a selective storage adsorbent and support for the immobilization of carbonic anhydrase for the capture and sequestration of CO ₂
O-4	Dr. Avijit Ghosh	CSIR - CGCRI Kolkata	Coalash: A value-added waste material for energy efficient building
O-5	Ms. Athira B.S.	CSIR - NIIST Thiruvananthapuram	A flexible piezoelectric tactile sensor based on electrospun PVDF/ BaTiO ₃ nanofibers
O-6	Ms. I. Vijitha	CSIR - NIIST Thiruvananthapuram	Tuning of physical and thermoelectric properties of SWCNT/thienothiophene organic hybrid composite through doping
O-7	Ms. Amritha P	CSIR - NIIST Thiruvananthapuram	Some aspects of transition metal oxide-based devices for energy management
O-8	Mr. Harris Varghese	CSIR - NIIST Thiruvananthapuram	Triboelectric nanogenerator from used surgical face mask and waste mylar materials
O-9	Mr. Mukesh Kumar	CSIR – CSIO Chennai	Intelligent building energy management- a non-intrusive load monitoring technique
O-10	Ms. Bhawna Sharma	CSIR - IIP Dehradun	Design, synthesis, and performance evaluation of poly (long chain α -olefin-co-acrylates) as multifunctional additives for lubricating base oils
O-11	Ms. Susmita Bera	CSIR – CGCRI Kolkata	Engineering of BiOX/CuFe ₂ O ₄ heterostructures for sustainable fuel H ₂ generation through water splitting
O-12	Mr. Akash Verma	CSIR - IIP Dehradun	An improved method for the synthesis of double metal cyanide catalysts useful for the production of polyether polyols
O-13	Ms. Sandhiya Lakshmanan	CSIR - NISCAIR New Delhi	Direct dynamics simulation of the thermal 3CH ₂ + 3O ₂ reaction
O-14	Dr. A.K. Verma	G.B. Pant University of Agriculture and Technology, Pantnagar	Investigation of the adhesive characteristics and bonding strength of phenol formaldehyde resin modified with phenol-rich pine needle pyrolysis oil