

ICRABR 2023 - Conference Schedule, 09-12th October 2023, SSS - NIBE, Kapurthala, Punjab, India

Day 1	Time	Speaker	Venue
8:30 - 9:30 h		REGISTRATION + WELCOME TEA	Registration Desk
Inaugural Session 09:30-10:50 h	09:30-09:35	Lighting of the Lamp and dignitaries on the dias	Dr. APJ Abdul Kalam Auditorium Parallel Live Streaming - Conference Room
	09:35-09:45	Welcome Address by Dr. G Sridhar, DG SSS NIBE, Chairman, ICRABR 2023	
	09:45-10:00	Keynote Address by Prof. K K Pant, Director, IIT Roorkee, Guest of honour	
	10:00-10:15	Keynote address by Shri Bhupinder Singh Bhalla, Secretary, MNRE, Guest of honour	
	10:15-10:30	Inaugural Address by Shri Bhagwanth Khuba, Hon'ble Minister of State (Chemicals & Fertilizers & MNRE), Chief Guest (Video Conferencing Mode)	
	10:30-10:45	Release of Conference Souvenir and unveiling of Initiatives from MNRE	
	10:45-10:50	Vote of Thanks by Dr Anil Kumar Sarma, Co-Chair, ICRABR 2023	
10.50 - 12.05 h	10:50- 11:20	Planting of saplings and other events by dignitaries, followed by High Tea	Lawn - Food Arena
	11:20-11:30	Inaugural of Exhibition stall	Lawn - Exhibition Arena
	11:30-12.10	Guided Tour of Dignitaries to Laboratories	R&D Labs
Special Plenary - Emerging Technologies & Solutions 12:10-13:20 h	12:10-12:30	Prof. Ashok Pandey CSIR-IITR, India (Chair)	Dr. APJ Abdul Kalam Auditorium
	12:30-12:50	Prof. Dasappa S, IISc, India	
	12:50-13:10	Dr. Neal Graham, PNNL, USA	
	13:10-13:20	Q&A Session	
13.20 - 14:10 h		LUNCH	Lawn - Food Arena
Special Plenary - Innovations in Waste to Energy 14:10 - 15.30 h	14:10-14:25	Dr. JK Arora, Executive Director, PSCST (Chair)	Dr. APJ Abdul Kalam Auditorium
	14:25-14:40	Dr. Nikhil Patel, Singularity Energy Technologies, USA	
	14:40- 14:55	Mr. Brijesh Patel, Indus Eco Partners, Germany	
	14:55 - 15:10	Mr. Nikhil Khot, UNIDO	
	15:10 - 15:30	Q&A Session	
15:30 - 15:45 h		TEA BREAK	Lawn - Food Arena
	15:45 - 16:00	Talk on "Bioenergy initiatives" by Sh. DD Jagdale, JS, MNRE	Dr. APJ Abdul Kalam Auditorium
Industry Session - 1	16:00 - 17:15	Moderated Industry Technical Session - (Chair - Dr. J K Arora, PSCST)	
	17:15 - 17:30	Talk on "Progress on Bioenergy Programs in Punjab" by SNA - Sh. M P Singh, Director, PEDA	
Industry Session - 2	17:30 - 18:30	Moderated Industry Finance Session - (Moderator - Mr. Gaurav Kedia, IBA)	
Cultural Event	18.30-20.30 PM	Cultural + Dinner	Lawn - Food Arena

Day 2	Time	Speaker	Venue 1
Plenary Session 3 9:30-10:45 h	9:30-10:00	Dr. Sangita Kasture, MNRE, Govt. of India	Dr. APJ Abdul Kalam Auditorium
	10:00-10:30	Prof. P. V. Aravind, University of Groningen, The Netherlands (Virtual)	
	10:30-10:45	Q&A	
10.45 - 11.00 h		TEA BREAK	Lawn - Food Arena
		Parallel Session I	Parallel Session II
Technical Session 1 & 2 11:00-13:00 h	11.00 - 13.00	Technical Session 1 (Dr. APJ Abdul Kalam Auditorium)	Technical Session 2 (Conference Hall - Admin Block)
	11:00-11:25	Mr. Hari Natarajan (UNDP) - Chair	Prof. K Mohanty (IIT Guwahati) - Chair
	11:25-11:50	Dr. Rajkiran Bilolikar (ASCI) - Chair	Prof. Kamalkannan K (INST Mohali) - Chair
	11:50-12:00	1051_System-Based Approach for Sustainable Development of Bioenergy Sector Stakeholder Consultations	1062_Development of low cost systems for the production of biochar from loose biomass
	12:00-12:10	1074_Development of sustainability analysis tool for rural bioenergy technologies	1081_Comparative assessment of different microalgae for bio-crude production
	12:10-12:20	1129_Biomass Assessment through GIS and Remote Sensing for Mitigating Energy Demand	1083_Biochar as an Effective Adsorbent for Water Treatment A Comprehensive
	12:20-12:30	1161_Sustainable Energy Solutions Evaluating Electricity Generation Potentials from Excess Rice Straw Biomass in Punjab, India	1097_Biochar from cotton petals production & characterization
	12:30-12:40	1049_Bio Fuel Blends for the Indian Navy Energy Utilization and Emission Analysis of Ternary Fuel Blends (Virtual)	1111 Characterization of char generated from pyrolysis of municipal solid waste
	12:40-12:50	Spcl. Virtual Lecture: 12:40 - 1:00 PM Prof. Rafael Luque	1126_Unleashing the potential of biomass derived activated biochar for CO2 capture
	12:50-13:00		1061_Anaerobic digestion of poultry litter: Effect of solid concentration on biogas generation and microbial diversity
13.00 - 14.00 h		LUNCH	Lawn - Food Arena
Technical Session 3 & 4 14:00-16:00 h	14:00-16:00	Technical Session 3 (Dr. APJ Abdul Kalam Auditorium)	Technical Session 4 (Conference Hall - Admin Block)
	14:00-14:25	Dr. G. Rao (CSIR-IIT) - Chair	Prof. Sanjoy Ghosh (IITR) - Chair
	14:25-14:50	Dr. Bhaskar Dixit (Jain University) - Chair	Prof. Amrit Pal Toor (Dr. SSBUICT, PU) - Chair
	14:50-15:00	1017_Food Waste as an Energy Source for Cruiser_ICRABR-2023	1011_Study the Bioprocessing Variables for Xylitol Production
	15:00-15:10	1031_Partial Utilization of Paddy Straw as fuel in Fluidized Bed Combustion Boiler	1015_Crude glycerol fermentation using engineered_Escherichia_coli
	15:10-15:20	1058_A review Optimizing the Performance of Biomass Cookstoves Insights from	1022_Extraction of Essential Oil from High Value Plants Available in North Eastern
	15:20-15:30	1065_Enhancing Anaerobic Digestion of Solid Waste Utilizing Domestic Sewage as an	1036_Novel Distillation Engineering Aspects for Futuristic Second Generation (2G) Ethanol Bio-Plants
	15:30-15:40	1098_Prospects and Challenges of Biogas A Path to Clean Energy in Afghanistan	1092_Isolation of cellulose from sugarcane trash biomass by sodium hydroxide and calcium hydroxide pretreatment
	15:40-15:50	1177_Maximized methane recovery from co-biomethanation of food waste and Parthenium hysterophorus	1195_Augmentation in ethanol yield from paddy straw through statistically designed parameters for SSF using thermotolerant yeast Kluyveromyces marxianus NIRE-K3
	15:50-16:00	1052_Anaerobic Biodegradability test assay of two lignocellulosic biomass	1079_Lactic acid production from lignocellulosic biomass
16.00 - 16.15 h		TEA BREAK	Lawn - Food Arena
Technical Session 5 & 6 16:15-18:15 h	16:15-18:15	Technical Session 5 - Special Virtual Session (Dr. APJ Abdul Kalam Auditorium)	Technical Session 6 (Conference Hall - Admin Block)
	16:15-16:40	16:15-16:35 - Dr. Wei Wang (INER, Taiwan)	Prof Pratik Sheth (BITS Pilani) - Chair
	16:40-17:05	16:35-16:55 - Dr. Jiho Yoo (KIER, S Korea)	Prof Manjare, (BITS Goa) - Chair
	17:05-17:15	16:55-17:15 - Mr. Christian Rakos(WBA)	1071_Studies on Fire Safety of Biomass storage facilities in India
	17:15-17:25	17:15-17:35 - Prof. Ajay Dalai (Univ. of Saskatchewan, Canada)	1053_Construction and Analysis of Microbial Fuel Cell
	17:25-17:35	17:35-17:55 - Mr. Luc Pelkmans (IEA Bioenergy)	1057_Sustainable Bio-fuel Solution Energy Exergy Analysis of Bio-Diesel Blends
	17:35-17:45	Moderated by Dr. Neal Graham, PNNL	1064_Thermal Disposal of Sanitary Pads Diapers using Advanced
	17:45-17:55		1077_Sustainable production of biodiesel from Pongamia pinnata can substitute up to approximately
	17:55-18:05		1072_Biochemicals production in a cellulosic bio-refinery
	18:05-18:15	Buffer	1042_Development of nanofilm through agri-biomass derived lignin and their applications
	18.30-20.30	Dinner	Lawn - Food Arena

Day 3	Time	Speaker	Venue 1		
Plenary Session 4 9:30-10:45 h	9:30-10:00	TBD	Dr. APJ Abdul Kalam Auditorium	Poster Area- Ground floor of Common Facility (11:00-13:00)	
	10:00-10:30	Mr. Jim Spaeth, Program Manager, US Dept. of Energy (Virtual)			
	10:30-10:45	Q&A			
10.45 - 11.00 h		TEA BREAK	Lawn - Food Arena		
		Parallel Session I	Parallel Session II		Poster Session I
Technical Session 7 & 8 11:00-13:00 h	11.00 - 13.00	Technical Session 7 (Dr. APJ Abdul Kalam Auditorium)	Technical Session 8 (Conference Hall - Admin Block)		Poster Area- Ground floor of Common Facility (11:00-13:00)
	11:00-11:25	Dr Shams Y (ICGEB) - Chair	Mr. Sunil Dhingra (Bio Trend Energy) - Chair		
	11:25-11:50	Prof Krishna Mohan (IIT Roorkee) - Chair	Dr. K Kundu (CSIR-CMERI) - Chair		
	11:50-12:00	1006_Lipase-mediated esterification of butyric acid and butanol in aqueous	1012_Low pressure compaction of Pine needle Waste to Fuel		
	12:00-12:10	1094_Enhanced Rhamnolipid Production using Waste engine oil with Hydrophilic Co-substrate by	1059_Exploring the potential of pomegranate peels to develop		
	12:10-12:20	1039_Effective conversion of lignocellulosic biomass	1099_Feeding the Future Enzymatic Transformation of Waste		
	12:20-12:30	1142_Ultrasonication for stress mediation of Chlorella sp. and amelioration of biofuel suitable	1119_Chemical Modifications of Monoterpenes to High Energy		
	12:30-12:40	1157_Biological Hydrogen production Greenest way of Hydrogen production	1139_The Outlook for Hydrogen Energy Advancements in Bio-		
	12:40-12:50	1023_Nanocellulose Based Antimicrobial Film With Enhanced Barrier	1140_Technoeconomic Analysis of Molasses based Bioethanol		
	12:50-13:00	1205_Cellulosic Ethanol Production via SSCF Using Thermotolerant Yeast	1170_Zero Acid discharge and Sugar Purification Process from		
13.00 - 14.00 h		LUNCH	Lawn - Food Arena		
Technical Session 9 & 10 14:00-16:00 h	14:00-16:00	Technical Session 9 (Dr. APJ Abdul Kalam Auditorium)		Poster Session II	
	14:00-14:25	Prof. Sadhan Mahapatra (Tezpur University) - Chair		Poster Area- Ground floor of Common Facility (14:00-16:00)	
	14:25-14:50	Dr. Ruben Sudhakar (NIT Trichy) - Chair			
	14:50-15:00	1124_Design_ fabrication and experimental investigations of a heat recovery system from biomass gasifier			
	15:00-15:10	1112_Sustainable Energy Solutions in the Himalayas Analyzing Pine Needles			
	15:10-15:20	1158_Performance evaluation of pine needles as a fuel in biomass gasifier			
	15:20-15:30	1054_Bioethanol Production Using Different Substrates			
	15:30-15:40	1169_Production, characterization of char pellets with different organic additives and its demonstration as a fuel in a forced-draft cook stove			
	15:40-15:50	1213_Development of the fluidized bed gasification system equipped with PLC-based control panel for biomass utilization in thermal industries			
	15:50-16:00	1222_Solar-driven bio-refinery and fuels: Concepts for Sustainability			
16.00 - 16.15		TEA BREAK	Lawn - Food Arena		
Moderated Session on Success Stories from the Field 16:15-17:45 h	16:15-16:30	Dr. Parveen Dhamija, Skill Council for Green Jobs - Livelihood Opportunities in Bioenergy Sector		Dr. APJ Abdul Kalam Auditorium - Session Moderated by Mr. Pritpal Singh, PSCST Dr. Srinivas Shroff, Consultant, Co-Chair	
	16:45-17:00	Prof. S S Sooch, PAU, Holistic Biogas			
	17:00-17:15	Mr Prasad Dahapute, Varhad Capital - Biomass Pellets and Biochar with FPO			
	17:15-17:30	Mr Jaswinder Singh, Lambra Kangri Cooperative Society- Community Biogas			
	17:30-17:45	Q&A			
Valedictory	17:45 - 18:30	Valedictory & Awards Distribution		Dr. APJ Abdul Kalam Auditorium - Guest of Honour - CSIR CMERI	
	18.30-20.30	Dinner		Lawn - Food Arena	
Day 4	Time	Site Visit			
Industrial Visit	06:00 - 20:00	Bioenergy industry visit - Sukhbir Agro Biomass Power Plant (18 MW), Ferozepur, Punjab			