

FINAL PROGRAM



Global Conference on

BIOFUELS AND BIOENERGY

21-22
OCT 2022

VIRTUAL EVENT



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DAY 01

FRIDAY, OCTOBER 21

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00 - 10:10		Introduction
10:10 - 10:50	19:10-19:50	Hans-Henning Judek, J.E. Access Ltd., Japan Title: Greening the maritime industry with carbon-negative biofuel
10:50 - 11:30	16:20-17:00	R. P. Singh, Indian Institute of Technology Roorkee, India Title: Microalgal biodiesel: Nutritional and molecular strategies for enhanced lipid production

ORAL PRESENTATIONS

11:30-11:50	19:30-19:50	Ijaz Fazil Syed Ahmed Kabir, Red Engineering Asia Pacific, Singapore Title: Multiple strategies for carbon capture and its utilization from biogas generated by anaerobic digestion in wastewater treatment sectors
11:50-12:10	12:50-13:10	Nick Molden, Imperial College London, United Kingdom Title: Renewables fuels, the need for provenance and quality to power adoption
12:10-12:30	20:10-20:30	Randell Urbiztondo Espina, University of San Carlos, Philippines Title: Torrefaction and gasification of coconut shells for electricity production
12:30-12:50	18:00-18:20	Kishalay Paria, Vidyasagar University, India Title: Modern concept of biofuel production from organic waste materials for economic development
12:50-13:10	18:20-18:40	Joshi Beslin, Tamil Nadu Agricultural University, India Title: Discerning microbes from different environments for enzymatic saccharification of lignocellulosic biomass
13:10-13:30	18:40-19:00	D. Senthamilselvi, Tamil Nadu Agricultural University, India Title: Strain improvement of Chlorella sp. KM504965 by radiation breeding for biofuel production
13:30-13:50	19:00-19:20	Ahmad Nawaz, IIT BHU Varanasi, India Title: Elucidating the bioenergy potential of raw, hydrothermally carbonized and torrefied waste arundo donax biomass in terms of physicochemical characterisation, kinetic and thermodynamic parameters
13:50-14:10	19:20-19:40	Shiv Vendra Singh, Graphic Era Hill University, India Title: Thermal treatment of biomass waste for renewable energy production

14:10-14:30	19:40-20:00	Pooja Sharma, University of Delhi, India Title: Social-cost benefit analysis of sewage treatment plant
14:30-14:50	10:30-10:50	Neda Fakhimi, Carnegie Institution for Science Stanford, United States Title: From acetic acid production by bacteria to hydrogen production in chlamydomonas reinhardtii

KEYNOTE PRESENTATIONS

14:50-15:30	09:50-10:30	Radhey Srivastava, University of Louisiana-Lafayette, United States Title: Pincer type MO complex catalyzed DODH of polyols
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ORAL PRESENTATIONS

15:30-15:50	16:30-16:50	Mehdi Jangi, University of Birmingham, United Kingdom Title: Large-eddy simulations of ammonia spray combustion under direct injection engine-like conditions using a hybrid stochastic fields/flamelet progress variable methods
15:50-16:10	17:50-18:10	Zikhona Tshemese, Durban University of Technology, South Africa Title: Effect of temperature and loading rate on biogas production via a co-digestion of sugar wastewater and food waste
16:10-16:30	19:10-19:30	Hayder Alalwan, Middle Technical University, Iraq Title: The influence of blending diesel fuel with methanol or kerosene on the environment
16:30-16:50	21:30-21:50	Chaudhry Haider Ali, University of Engineering and Technology, Pakistan Title: Sustainable production of biodiesel from used cooking oil utilizing waste ostrich (struthio camelus) bones as catalyst

DAY 02

SATURDAY, OCTOBER 22

KEYNOTE PRESENTATIONS

GMT Timings	Local Timings	
09:30 - 10:00		AV Check
10:00-10:40	13:00-13:40	Delia Teresa Sponza, Dokuz Eylül University, Turkey Title: Photoreduction of CO ₂ into CH ₃ OH and CH ₄ using Bi ₂ S ₃ /CeO ₂ nanocatalyst
10:40-11:20	18:40-19:20	Qingyu Wu, Tsinghua University, China Title: Microalgae for oil accumulation and biodiesel production

POSTER PRESENTATIONS

11:20-11:30	20:20-20:30	Minjun Sohn, Saint Paul Preparatory Seoul, Korea, Republic of Title: Effective anaerobic digestion of waste activated sludge using the combined ultrasonic and alkaline pretreatment
11:30-11:40	14:30-14:40	Igor Morgunov, Federal Research Center, Russian Federation Title: The yeast torulaspora globose as a potential producer of lipids and biodiesel
11:40-11:50	13:40-13:50	Grzegorz Klosowski, Kazimierz Wielki University, Poland Title: Composition and SEM analysis of biomass of various types after microwave-assisted hydrothermal pretreatment
11:50-12:00	13:50-14:00	Dawid Mikulski, Kazimierz Wielki University, Poland Title: Changes in the structure of lignocellulose as a result of microwave-assisted hydrothermal pretreatment
12:00-12:10	08:00-08:10	Jyoti Singh, University of Delaware, United States Title: Desmodesmus sp JS07 gene expression dynamics and engineering for enhanced lipid accumulation: Towards biofuel production
12:10-12:20	07:10-07:20	Karla Jared Azcorra May, Yucatan Center for Scientific Research, Mexico Title: Sargassum biorefineries: From waste to products

ORAL PRESENTATIONS

12:20-12:40	20:20-20:40	Tadios Tesfaye, National Taiwan University, Taiwan Title: Efficient waste-based nanocatalysts for improved biodiesel yield
12:40-13:00	14:40-15:00	Valle-Rodriguez Juan Octavio, Chalmers University of Technology, Sweden Title: Pioneering multidimensional synthetic biology: Systems metabolic engineering and protein engineering for biodiesel production

13:00-13:20	15:00-15:20	Anna Sikora, Institute of Biochemistry and Biophysics Polish Academy of Sciences, Poland Title: Anaerobic digestion of wastes and by-products of the sugar beet industry as a source of gaseous biofuels
13:20-13:40	16:20-16:40	Selcuk Sarikoc, Amasya University, Turkey Title: Lifecycle-based environmental pollution cost analysis of alternative biofuels at internal combustion engines
13:40-14:00	16:40-17:00	Asiedu Ampomah Benjamin, Cyprus International University, Turkey Title: Does the collaboration between clean energy and conventional energy abate CO ₂ emissions? A comparative study among EU countries
14:00-14:20	11:00-11:20	J. Flavio Espinoza Monje, Universidad Catolica de la Santisima Concepcion, Chile Title: Preliminary approach of invasive shrubs management to fight forest wildfires and as an available biomass for pellet production
14:20-14:40	17:20-17:40	Abdul-Wali Ajlouni, Umm Al-Qura University (UQU), Saudi Arabia Title: Ethics and moral values in production of new biofuels
14:40-15:00	20:10-20:30	Dhruvi Pithadia, The Maharaja Sayajirao University of Baroda, India Title: Sustainable catalysis of bioplatfrom molecules to biofuel additives and biobased chemicals
15:00-15:20	20:30-20:50	Suman, Indian Institute of Technology (ISM), India Title: Synthesis of value-added chemicals and fuel additives from renewable sources using heterogenous catalyst
15:20-15:40	20:50-21:10	Jagriti Dabas, TERI School of Advanced Studies, India Title: Spatial distribution of agricultural residues from cereal crops for potential bioenergy production in Indo Gangetic Plains of India (IGP)
15:40-16:00	21:10-21:30	Probir Kumr Bose, National Institute of Technology Agartala, India Title: Trajectory growth of bio-fuel as a sustainable alternative
16:00-16:20	21:00-21:20	Ejaz Uroosa, Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Pakistan Title: Halophytic plants: An alternative source for biodiesel production

UPCOMING CONFERENCES

2nd Edition of Global Conference on **Biofuels and Bioenergy**

October 26-28, 2023 | Boston, Massachusetts, USA

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