

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

Theme: "Advancing Biofuel Research:
Bridging the Gap between Lab and Industry"

11-13
SEPT 2025

Our OCMs



SUSAN NEWMAN
Integrated Lipid Biofuels,
United States



NICK MOLDEN
Emissions Analytics, United Kingdom



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Carlos III Health Institute, Spain



DAI YEUN JEONG
Asia Climate Change Education Center,
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ATUL SAXENA
Growdiesel Ventures Limited, India



SANJEEV GAJJELA
Tomato Sustainables LTD, United Kingdom



ARINDAM CHAKRABORTY
Mectech Process Engineers Pvt. Ltd., India

Scientific TOPICS

- Biorefineries
- Biofuels and Bioenergy
- First, Second and Third Generation Biofuels
- Bioelectricity
- Biodiesel & Green Diesel
- Bioalcohols, Bioethanol, Biobutanol
- Biogas, Biomethane & Biohydrogen
- Biochar
- Bio-Oil
- Bioproducts
- Bioprocesses
- Biobased Chemicals and Materials
- Solid Biofuels
- Anaerobic Digestion of Waste
- Bacterial and Fungal/Yeast Genetics, Physiology and Metabolic Engineering

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Olympia Hotel, Events & Spa
Carrer Mestre Serrano, 5, 46120
Alborai, Valencia, Spain

Nick Molden, Emissions Analytics, United Kingdom

Title: Quality variation in market biofuels and the effect on tailpipe emissions

Susan Newman, Integrated Lipid Biofuels, United States

Title: Revolutionizing bioplastics with yeast cell factories

Magnus Stahl, Karlstad University, Sweden

Title: Combustion performances of advanced cooking stoves using woody and herbaceous pellets as fuel

David Galan Madruga, Carlos III Health Institute, Spain

Title: will be updated shortly

Sanjeev Gajjela, Tomato Sustainables LTD, United Kingdom

Title: Green hydrogen: Driving sustainable aviation's future

Suzana Borschiver, Federal University of Rio de Janeiro, UFRJ, Brazil

Title: Energy transition and neo-industrialization in Brazil - Windows of opportunities

Dai Yeun Jeong, Asia Climate Change Education Center, Korea

Title: Human impact on natural environment and its implications

Atul Saxena, Growdiesel Climate Care Council, India

Title: Ultra modern patented technology to convert agriwaste/msw/ slaughter house effluent/ lake waste/high cod distillery spent wash to 99% pure renewable hythane (hydrogen+methane)

Arindam Chakraborty, Mectech Process Engineers Pvt. Ltd., India

Title: Multi Bio-Fuel Complex – An intrinsic concept for adopting circular economy

Tirath Raj, University of Illinois Urbana Champaign, United States

Title: Processing of advanced bioenergy crops using natural deep eutectic solvents (nades) for sustainable biorefinery developments

Mehrez Karima, Unilasalle Rennes - School Trades De L environnement, France

Title: Contaminated sorghum conversion via hydrothermal carbonization: Solid/Liquid products characterization

Maria Nordio, Ricerca sul Sistema Energetico (RSE), Italy

Title: The influence of operational parameters on biological methanation in trickle-bed reactors

Marisa Mastroleo, Research on the Energy System, RSE, Milan, , Italy

Title : Investigation of methane conversion and liquid holdup in trickle-bed reactors under different pressures

Feliu Sempere Nacher, Global Omnium Medioambiente S.L., Spain

Title: Anaerobic digestate centrate as a key resource to improve sustainability in biogas purification and upgrading to biomethane

Sara Tahery, The University Of New South Wales, Australia

Title: Overall benefits of biochar, fed to dairy cows, for the farming system

Jorge Antonio Hilbert, Energy and environmental consulting services, Argentina

Title: Approach to carbon neutral electricity and heat in a bioethanol biorefinery

Diego Andres Rueda Ordonez, Pontifical Catholic University of Rio de Janeiro, Brazil

Title: Machine learning-enabled techno-economic and environmental analysis of succinic acid production from biodiesel byproduct glycerol

Raquel Vieira Santana Silva, Universidade Federal do Rio de Janeiro, Brazil

Title: Co-processing bio-oil in conventional refineries: A pathway to sustainable energy transition

Simon Gonzalez-Martanez, Universidad Nacional Autonoma de Mexico, Mexico

Title: Fermentation of Opuntia ficus indica under different temperatures to increase methane production

Qi Wei, State Key Laboratory of Clean Energy Utilization, Zhejiang University, China

Title: Process simulation and comparative techno-economic analysis of enhanced biomass-to-aviation fuel pathways: Pyrolysis and Gasification strategies

Sachchit Kumar Majhi, Tata Steel Limited Jamshedpur, India

Title: Effect of charcoal addition on coke properties: A low-emission integrated steelmaking process

Manoj Tripathi, Jaypee Institute of Information Technology, India

Title: Synthesis and performance study of biomass derived supercapacitor electrode for energy storage

Poorvi Vishwakarma, All India Institute of Medical Science, India

Title: Structural analysis of glycoside hydrolase family 43, beta-xylosidase and its complex with xylose from mesophilic Pseudopedobacter saltans

Preeti Mehta Kakkar, Amity University Noida, India

Title: Enhanced lipid production in schizochytrium sp. via synergistic chemical modulation

Aryaman Jakhar, Delhi Technological University, India

Title: A study on sustainable feedstock utilization: Decentralized biofuels supply Chain for rural development in India

Sohail Manzoor, National Rural Support Programme, Pakistan

Title: Enhancing soil fertility, crop yields, and climate mitigation through scalable biochar production: A pilot study

Javier Urquizo, Escuela Superior Politecnica del Litoral (ESPOL), Ecuador

Title: Micro-algae biofuel: The Santa Elena province case study (Ecuador – South America)

Alireza Shirneshan, Islamic Azad University, Iran

Title: Investigating the tribology and anti-wear properties of diesel-vegetable oil blends

khashayar Partovi, Iran Standard & Quality Inspection Co., Iran (Islamic republic of)

Title: Bioleaching of metals from cellphones batteries by a co-fungus medium in presence of carbon materials

Sfiso Thuthukani Gumbi, University Of KwaZulu-Natal, South Africa

Title: Biodiesel production: Enhanced lipid productivity and biosynthesis gene response of indigenous microalgae under different nutrient conditions

Nsah-Ko Tchoumboue, University of Buea, Cameroon

Title: Biogas production from codigestion of palm oil milling effluent and cowdung: Performance evaluation and prediction modeling

Oral Presentation slots are still Open!!

Piotr Cichy, Silesian University of Technology, Poland

Title: From waste to resource: Exploring the double-edged benefits of contaminated biomass in biochar production

Ayushi Goyal, International Centre For Genetic Engineering and Biotechnology, India

Title: Unraveling the effect of pH-responsive gene elements on cellulase production in the filamentous fungus *Penicillium funiculosum*

Ali Ashraf Joolaei, Inha University, Korea, Republic of

Title: Predicting the biogas production in an electrical voltage-applied reactor using real-time data monitoring and deep learning

Olwethu Poswayo, Nelson Mandela University, South Africa

Title : Instability of Coalgae® pyrolysis oils and its stabilization

Poster Presentation slots are still Open!!
