

Scientific Program

3rd International Conference on

Biofuels and Bioenergy

Thursday
November 10, 2022

Day 1 November 10, 2022

10:00-10:30 Registrations

10:30-10:50 Introduction

Keynote Presentations

10:50-11:30 Urine against The Energy Crisis in Many Countries, Producing Biogas from Organic Waste
Gabriel Luna-Sandoval, Sonora State University, Mexico

Group Photo (11:30-11:40)

Networking and Refreshments (11:40-12:10) @ Foyer

Oral Presentations

Session Chair: **Toufik Boushaki**, ICARE-CNRS & University of Orleans, France

Sessions: Production of Biofuels | Bioremediation | Advanced Biofuels | Biogas | Bioenergy
| Bioenergy Conversion | Renewable Energy | Bio alcohols and Bioethanol

12:10-12:40 Features of Phytoremediation of Technogenic Dumps Around the "Atomic Lake" Created by a Nuclear Explosion at The Semipalatinsk Nuclear Test Site
Sarsenbayev Kanat, Eurasian National University, Kazakhstan

12:40-13:10 High Quality Syngas From Non-Recyclable Waste: A Pilot-Scale Study Based on Htw[®]2.0 Gasification Technology
Nivya Uday Kodimaniyanda, GIDARA Energy B.V, Netherlands

13:10-13:40 Possibilities of Using Liquefied Biogas Under the Project Liquid Energy
G. Pazikowska-Sapota, Gdynia Maritime University, Poland

Lunch (13:40-14:40) @ Restaurant

14:40-15:10 Bio-Based Paraffinic Kerosene Production Through Catalytic Hydrodeoxygenation of Safflower Oil over Ni-Co/ZnO Catalyst
Nezihe Ayas, Eskişehir Technical University, Turkey

15:10-15:40 The Bioeconomy as a Key to Sustainable Development. Case Study: Production of Second-Generation Liquid Biofuels From Coffee Processing Residues by Indigenous Communities in Mexico
Pérez-Montoya Luz Mariana, Centre for Research and Advanced Studies of the National Polytechnic Institute, Mexico

15:40-16:10 Thermodynamics and kinetics study of methanol synthesis
Anam Adil, Indian Institute of Science, India

16:10 - 16:40 Piezoelectric Vibration Energy Harvesting (PVEH) Modeling: A Proposal for an Accurate Linear Model
Nazenin Gure, Beykent University, Turkey

16:40 - 17:10 H₂/Syngas Production via Continuous Pyrolysis and Catalytic Reforming in an Auger Reactor Combined with Downstream Fixed-Char-Bed Part 1: The Influence Of Space Velocity and Catalyst Particle
Hanmin Yang, KTH Royal Institute of Technology, Sweden

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Networking & Refreshments (17:10-17:20)

17:20-17:50	Boosting Bioethanol production through yeast genetic breeding and co-fermentation with synergistic bacteria
	Yechezkel Kashi , Technion-Israel Institute of Technology, Israel
17:50-18:20	Green Conversion of the Organic Binder Used in Li-Ion Batteries to Biofuel in a Fluidized Bed Reactor Involving CaO
	Farzam Fotvovat , Sharif University of Technology, Iran

Day 1 Concludes

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Friday
November 11, 2022

Day 2 November 11, 2022

Meeting Hall: Lindbergh

Keynote Presentations

10:00-10:40 A Novel Measure of Corporate Carbon Emission Disclosure, the Effect of Capital Expenditures and Corporate Governance
Mahmoud Elmarzouky, Aston University, United Kingdom

Refreshments Break (11:30- 11:45) @ Foyer

Oral Presentations

Session Chair: **Sarsenbayev Kanat**, Eurasian National University, Kazakhstan

Sessions: Biogas | Environmental impacts of Biofuels | Bioenergy | Biodiesel

10:40-11:10 Preservation of Flora And Fauna in an Environmental Ecological Interpretation Center - Loreto – Peru
Doris Esenarro, Universidad Ricardo Palma, Perú

11:10 - 11:40 **Daniel M Busiello**, Max Planck Institute for the Physics of Complex Systems, Germany

Networking & Refreshments (11:40-12:00) @ Foyer

12:00-12:30 Smart Spatial Analyses in Land Levelling
Isham Alzoubi, School of Surveying Geospatial Engineering, Syria

12:30-13:00 Compositional Study Of Bio-Oil Obtained From Slow Pyrolysis of Mixed Food Waste At Various Temperatures
Sanjeev Yadav, Shiv Nadar Institute of Eminence, India

13:00-13:30 Plasma-Assisted Stabilization of Non-Premixed Swirling Biogas/Air Flames by Microsecond Pulsed Discharges
Ahlem Ghabi, ICARE-CNRS & University of Orleans, France

Lunch (13: 30 - 14:30) @ Restaurant

14:30 - 15:00 Biomass from trees for bioenergy and biofuels – A Briefing Paper
Gyanaranjan Sahoo, Odisha University of Agriculture & Technology, India

15:00 -15:30 Deep Eutectic Solvents for the Pretreatment of Lignocellulosic Biomass to Enhance the Sugar Recovery
Jyothu Naik Ramavathu, Rayalaseema University College of Engineering, India

Poster Presentations

POS1 CO₂ Capture by Bio Sourced Materials with Controlled Porosity in a Real Combustion System
Toufik Boushaki, ICARE-CNRS & University of Orleans, France

POS2 Enzymatic Production of Biodiesel from Used Cooking Oil
Abdulhadi Aljawish, Lille University, France

Networking & Refreshments @ Foyer

Panel Discussion - Awards & Closing Ceremony

Day 2 Concludes followed by Vote of thanks

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Virtual Presentations

November 11, 2022 GMT

Oral Presentations

11.00 - 11.25	Fast Pyrolysis and Co-Pyrolysis of Waste Biomass: Degradation Behavior and Bio-Oil Composition Sabah Mariyam , Hamad Bin Khalifa University, Qatar
11.25 - 11.50	Micro/Mesoporous and Macroporous Diffusion Transport for Biogas Upgrading Edward Gobina , Robert Gordon University, United Kingdom
11.50 - 12.15	Uses of Fly ash as an adsorbent of phosphate from waste-water Srivastava Anjuri , Bundelkhand University Jhansi, India
12.15 - 12.40	Fabrication of Bioplastic Films Derived from Psyllium Husk as Potential of Edible Thin Films Aqsa Liaqat , University of Education, Pakistan
12.40 - 13.05	Green Hydrogen Production, Transportation, Securitization, and Tokenization W. Bernard Lee , HedgeSPA Pte. Ltd, Singapore
13.05 - 13.30	Catalytic Effect of Ultrananocrystalline Fe ₃ O ₄ On Algal Bio-Crude Production via HTL Process Liz M Díaz-Vázquez Arnulfo Rojas-Pérez , University of Puerto Rico Rio, Puerto Rico
13.30 - 13.55	Saccharification of Phragmites Karka by Using Enzyme Cocktail: A Strategy to Produce Bioenergy E. Uroosa , Shaheed Zulfikar Ali Bhutto Institute of Science and Technology, Pakistan
13.55 - 14.20	Interactions Between Residential Electricity Consumption And Urban Households' Lifestyle and Behaviour in Burkina Faso: Findings From a Survey Komlan H. S. Tete , Institut International d'Ingénierie de l'Eau et de l'Environnement (2iE), Burkina Faso
14.20 - 14.45	Renewable Energy - Social and Environmental Costs Benefits of Biofuel in Asia Naveen Singhal , DIT University, India
14.45 - 15.10	Techno-economic Disposal of Solid Wastes as Perspective Research Design for Solving National and Global Food and Energy Problems: A Comprehensive Review Mohammad Rafiq Khan , Lahore School of Economics, Pakistan
15.10 - 15.35	Techno-Economic Assessment of Microalgal Biodiesel Production in Nigeria Ibikunle O. OGUNDARI , Obafemi Awolowo University, Nigeria
15.35 - 16.00	Sustainability Authenticion Of Biofuel Feedstocks U.R.Unnithan , DIBIZ, Malaysia