

Scientific Program

2nd Online International Conference on

Biofuels and Bioenergy

Monday
April 18, 2022

Day 1 - April 18, 2022

11:00 - 11:15 Introduction

Oral Presentations

11:15 - 11:40 Enhancement of Biogas Production from Pig Manure by Co - Digestion
Laurensia Irmayani, Division of Water Technology Research, Taiwan

11:40 - 12:05 Sustainability Authentication of Biofuel Feedstocks
Unnikrishnan Unnithan, DIBIZ Pte Ltd, Malaysia

12:05 - 12:30 A Latest 5 - kW Ultralight Air - cooled PEMFC Developed at TP - CQFC
Ming Han, Temasek Polytechnic, Singapore

12:30 - 12:55 Biomethanation of Dried Pine Needles
Atul Grover, DRDO, India

12:55 - 13:20 Improving the Reliability Design of Mechanical Systems such as Refrigerator
Seongwoo Woo, Ethiopian Technical University, Ethiopia

Lunch (13:20 - 13:50)

13:50 - 14:15 H₂ Production from The Photocatalysis of Ni based Catalyst
Delia Teresa Sponza, Dokuz Eylül University, Turkey

14:15 - 14:40 Second Generation Bioethanol Production from Pineapple Waste Cell Wall Sugar
Alessia Tropea, University of Messina, Italy

14:40 - 15:05 A Three - dimensional Simulation Model for a PEMFC with Pt/C and Pt - Ru/C Catalyst Layers
Stefanos Tzelepis, University of West Attica, Greece

15:05 - 15:30 Green Shoots of Change for Revalorizing Food Waste in The Hospitality Industry in Mega - cities
Kristy Peña Muñoz, KFG EnviroSMART Solutions, Mexico

Poster Presentations

15:30 - 15:45 Water - Swollen Composite Polyamide Membrane for Separation of CO₂ and H₂S from Raw Biogas
Petra Wojnarová, VSB-Technical University of Ostrava, Czech Republic

15:45 - 16:00 Co - solvent Transesterification of Used Cooking Oil
Pawel Grabowski, Warsaw University of Technology, Poland

16:00 - 16:15 Adaptation on Xylose Improves Glucose Xylose CO Utilization and Ethanol Production in A Carbon Catabolite Repression (CCR) Compromised Ethanologenic Strain SSK42
Chandra Dev, International Centre for Genetic Engineering and Biotechnology, India

16:15 - 16:30 Effect of Thermal Pretreatment on The Semicontinuous Anaerobic Digestion of Coffee Pulp with Increasing Loading Rates
Nava - Valente Noemi, Instituto Tecnológico Superior de Huatusco, Mexico

End of Day 1

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Tuesday
April 19, 2022

Day 2 - April 19, 2022

Oral Presentations

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| 10:00 - 10:25 | Dimension of Biofuel Decarbonization in Albania
Atty. Lorenc Gordani , Tirana Business University (TBU), Albania |
| 10:25 - 10:50 | Photo catalytic H ₂ Production from CdS catalyst
Delia Teresa Sponza , Dokuz Eylül University, Turkey |
| 10:50 - 11:15 | Green Hydrogen Economy as Clean Energy Source: System Limitation and Commercialization
Nour F. Attia , National Institute for Standards, Egypt |
| 11:15 - 11:40 | Sustainable Biofuel from Corn Cobs Wastes
Amos Obi , Mini Global Hetaved Skills Network Limited, Nigeria |
| 11:40 - 12:05 | Design and development of biogas power plant for sustainable development management of wastewater in context to Indian scenario"- Part-II -investigation of biofuels and bioenergy towards sustainable power development
Vijayan Gurumurthy Iyer , Arunai Engineering College, India |
| 12:05 - 12:30 | Reversible Hydrogen Storage in Metal Decorated Advanced 2D Carbon Nanomaterials
Vikram Mahamiya , Indian Institute of Technology Bombay, India |
| 12:30 - 12:55 | Biogas and Bio - fertilizer Production Potential of Abattoir Waste: Implication in Sustainable Waste Management in Shashemene City, Ethiopia
Tamiru Kefalew , Madda Walabu University, Ethiopia |
| 12:55 - 13:20 | Phylogeographic Diversity of The Genotypes of The Wild Olive Tree (<i>Olea Europaea</i> Subsp. <i>Europaea</i> Var. <i>Sylvestris</i>) In Northern Algeria
Wahiba Falek , University of the Mentouri Brothers - Constantine 1, Algeria |
| 13:20 - 13:45 | Microalgae's Ability To Reduce Co ₂ Emissions While Also Producing Sustainable Energy Biofuels
Javier Christian Ramirez Perez , University of Sao Paulo, Brazil |

End of Day 2