

# Scientific Program

*International Webinar on*

## Biofuels and Bioenergy

**Wednesday**  
**November 17, 2021**

### Day 1 - November 17, 2021

10:00 - 10:10 Introduction

#### Keynote Presentations

10:10 - 10:40 Green Hydrogen Production and Transportation  
**Bernard Lee**, Hedge SPA Limited, Hong kong

#### Oral Presentations

10:40 - 11:05 Byuon Energy And New Environmentally Friendly Heat Installations  
**Baurov Yu.A.**, Byuon Space Energy" LLC, Russia

11:05 - 11:30 An Efficient Perovskite solar cells based on doped organic hole transporting materials spiro-OMeTAD with Free-Li salt  
**Mohammed Elawad**, Yibin University, China

11:30 - 11:55 Catalytic deoxygenation by H<sub>2</sub>-free single-step conversion of free fatty acid feedstock over a Co-Ag carbon-based catalyst for green diesel production  
**Safa Gamal Nasser**, Universiti Putra Malaysia, Malaysia

#### Keynote Presentations

11:55 - 12:25 Legal assessment of biofuels and bioenergy sources practice adoption in Albania  
**Lorenc Gordani**, Tirana Business University (TBU), Albania

#### Oral Presentations

12:25 - 12:50 The Use of Radioisotope Methods in Determining the Share of Biogenic Carbon in Alternative Fuels and Waste Used for Energy Recovery, or on Determining The Share of Bio Components in Biofuels  
**Joanna Poluszyńska**, The Łukasiewicz Research Network – Institute of Ceramics and Building Materials, Poland

### Lunch Break (12:50 - 13:30)

13:30 - 13:55 Influence of carbon fixation on the mitigation of greenhouse gas emissions from livestock activities in Italy and the achievement of carbon neutrality  
**Roberto De Vivo**, ITIS E Fermi, Modena University of Napoli "Federico II", Italy

13:55 - 14:20 Identification of the fungi isolated to identify the effect of essential oils on fungal growth  
**Esraa.M.Mahmoud**, Grand Egyptian Museum, Egypt

14:20 - 14:45 Selection And Investigation Of Alternative Fuel For The Aviation Industry: Butanol, Butyl Butyrate And Their Blends With Jet A-1.  
**Manish Kumar**, Indian Institute of Technology Kharagpur, India

14:45 - 15:10 Complete And Efficient Conversion Of Plant Cell Wall Hemicellulose Into High-Value Bioproducts By Engineered Yeast  
**Liang Sun**, University of Illinois at Urbana-Champaign, USA

#### Poster Presentations

15:10 - 15:25 Anaerobic co-digestion of sewage sludge and fruit waste: performance and stability analysis for different ratios  
**Bruno Gouveia**, Universidade de Lisboa, Portugal

15:25 - 15:40 Thermophysical Properties of 2-Methyltetrahydrofuran and Furfuryl Alcohol As Potential Second Generation Biofuels  
**Adrian Golba**, University of Silesia in Katowice, Poland

End of Day 1

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**Thursday**  
**November 18, 2021**

Day 2 - November 18, 2021

### Oral Presentations

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| 10:00 - 10:25 | Health-Ecological Risk Assessments of heavy metals in the surface sediments from the Red Sea<br><b>Chee Kong Yap</b> , Universiti Putra Malaysia, Singapore  |
| 10:25 - 10:50 | Bioprocess Prospect of Sustainable Microalgae Biorefinery<br><b>Mohd Asyraf Kassim</b> , University Sains Malaysia, Malaysia   |
| 10:50 - 11:15 | Microbial Electrohydrogenesis Cell and Dark Fermentation Integrated System Enhances Biohydrogen Production from Lignocellulosic Agricultural Wastes: Substrate Pretreatment towards Optimization<br><b>Fabrice Ndayisenga</b> , University of Chinese Academy of Sciences, China |

### Poster Presentations

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| 11:15 - 11:30 | Seismic Analysis of a Large LNG Tank Considering Different Site Conditions<br><b>Zhao Yi</b> , Dalian University of Technology, China  |
| 11:30 - 11:45 | Structural, optical, and electrical properties of aluminum and nickel co-doped $\text{SnO}_2$ thin films deposited by sol-gel spin coating technique for PV solar cells<br><b>El Mahdi Bouabdalli</b> , Chouaib Doukkali University, Morocco |

### Oral Presentations

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| 11:45 - 12:10 | Life expectancy of solid oxide fuel cells in grid-connected mode<br><b>Preeti Gupta</b> , Panjab University, India  |
| 12:10 - 12:35 | Hydrogenation of biomass derived oil to biofuels over Ni/NiO robust catalyst<br><b>Hari Singh</b> , RIMT University, India  |
| 12:35 - 13:00 | Influence Of Bark Content On The Proximate Properties And Heating Value Of Firewood In Yobe State, Nigeria<br><b>Abubakar Dadile</b> , Federal University Gashua, Yobe State of Nigeria |

### Lunch Break (13:00 - 13:30)

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| 13:30 - 13:55 | Characterization and application of biosurfactant produced by bacillus subtilis isolated from egyptian oil field<br><b>Hamed Aboelkhair</b> , London South Bank University, United Kingdom |
| 13:55 - 14:20 | An alternative green biofuels produced by biomass cistus ladaniferus.<br><b>El Farissi Hammadi</b> , University Mohamed Premier, Morocco   |

### Keynote Presentation

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| 14:20 - 14:50 | Hybrid solar-biomass power plants<br><b>Mohammad Reza Mohaghegh</b> , University of Guelph, Canada |
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### Oral Presentation

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| 14:50 - 15:15 | Global warming, environmental and pollution issues<br><b>Daniel Alejandro Pacheco Rojas</b> , Universidad Nacional Autónoma de México, México |
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End of Day 2