

Scientific Program

International Webinar on

Petroleum Engineering and Natural Gas

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 H₂-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 assesment 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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Day 2 - November 18, 2021

Oral Presentations

- 10:00 - 10:25 Health-Ecological Risk Assessments of heavy metals in the surface sediments from the Red Sea
Chee Kong Yap, Universiti Putra Malaysia, Singapore
- 10:25 - 10:50 Bioprocess Prospect of Sustainable Microalgae Biorefinery
Mohd Asyraf Kassim, 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
Fabrice Ndayisenga, University of Chinese Academy of Sciences, China

Poster Presentations

- 11:15 - 11:30 Seismic Analysis of a Large LNG Tank Considering Different Site Conditions
Zhao Yi, Dalian University of Technology, China
- 11:30 - 11:45 Structural, optical, and electrical properties of aluminum and nickel co-doped SnO_2 thin films deposited by sol-gel spin coating technique for PV solar cells
El Mahdi Bouabdalli, Chouaib Doukkali University, Morocco

Oral Presentations

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

Lunch Break (13:00 - 13:30)

- 13:30 - 13:55 Characterization and application of biosurfactant produced by bacillus subtilis isolated from egyptian oil field
Hamed Aboelkhair, London South Bank University, United Kingdom
- 13:55 - 14:20 An alternative green biofuels produced by biomass cistus ladaniferus.
El Farissi Hammadi, University Mohamed Premier, Morocco
- 14:20 - 14:45 Simulation of water-slurry flow using CFD
GHOUDI Zeineb, National Engineering School of Gabes, Tunisia

Keynote Presentation

- 14:45 - 15:15 Hybrid solar-biomass power plants
Mohammad Reza Mohaghegh, University of Guelph, Canada

Oral Presentation

- 15:15 - 15:40 Global warming, environmental and pollution issues
Daniel Alejandro Pacheco Rojas, Universidad Nacional Autónoma de México, México

End of Day 2