

# Scientific Program



**UNITED RESEARCH FORUM**  
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## Joint E-Conference on **Renewable Energy and Sustainability & Geo Science and Green Technology**

March 15-16, 2023 | Webinar

**Theme: Gearing Innovative Green Technologies towards sustainable living**

**Contact:**  
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March 15, 2023

9:00 - 9:10 Introduction

## Oral Presentations

9:10 - 9:50 Study of greenhouse gas emissions at Khankalskoye geothermal station site  
**Magomed Shavalovich Mintshev**, Millionshchikov Grozny State Oil Technical University, Russia

09:50-10:30 Silicon nanostructured silicon nitride on Si- solar cell: material for Si photovoltaics  
**PROF. SANTANU GHOSH**, Nanotech Laboratory, Department of Physics, IIT DELHI, New Delhi-110016, India

10:30-10:55 Smart irrigation using Satellite data using ALRM for precision irrigation scheduling for different crops  
**Ayman Suleiman**, Department of Land, Water and Environment, Faculty of Agriculture, University of Jordan, Amman, Jordan

10:55-11:20 Biosorption and Optimization of Methylene blue using Rice straw: RSM, Isotherm, Kinetics and Thermodynamics  
**Sheetal Kumari**, Amity Institute of Environmental Science (AIES), Amity University, Uttar Pradesh, Noida, 201313, India

11:20-11:45 Polypropylene-chitosan sponges prepared via thermal induce phase separation used as sorbents for oil spills cleanup  
**Dr. Abeer Alassod**, Department of Textile Engineering, Mechanical and Electrical Engineering University, Damascus, Syria.

11:45-12:00 Recent developments in hydrogenation of trains  
**Mhd. Fadi Nakrash**, Syrian General Corporation for Railways & Damascus university & Higher Institute for Seismic Research and Studies

12:00-12:15 Molecular Interaction of Beta-Satellites with Redish Leaf Curl Virus  
**Mamoona Jamil**, Center of Applied Biochemistry and Biotechnology, University of Agriculture, Faisalabad, Pakistan.

March 15, 2023

- 12:15-12:40 Solar power is an alternative source of renewable energy in Bangladesh: A qualitative literature review  
**Ashim Kumar Saha**, The Leprosy Mission International Bangladesh (TLMI-B)
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- 12:40-13:05 Production of Bioethanol from solid wastepaper by Subsequent fermentation  
**Aziza Aftab**, **Mehran University of Engineering and Technology**,  
**Jamshoro, Pakistan**
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- 13:05-13:20 MITIGATION OF HEAVY METAL STRESS (Cd) IN MAIZE (Zea mays L.) BY NUTRIENT MANAGEMENT THROUGH DIFFERENT SOURCES.  
**Sabeela Yaqqob**, The University of Agriculture Faisalabad, Punjab, Pakistan.
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- 13:20-13:35 Autonomous 0 Energy, USA  
**RA Austin**

*Closing Session | End of the Day*



## Geo science and Renewable Energy

March 16, 2023

9:00 - 9:10 Introduction

## Oral Presentations

9:10 - 9:50 Renewable sources : from municipale wastes to energy

**DELIA TERESA SPONZA**, Dokuz Eylül university, engineering faculty, environmental eng. Dept.Buca İzmir Turkey

09:50-10:30 Co<sub>3</sub>O<sub>4</sub>/PMMA nanofibrous membrane Constructed electromagnetically for high-efficiency wave absorption

**Dr. Abeer Alassod**, Department of Textile Engineering, Mechanical and Electrical Engineering University, Damascus, Syria.

10:30-10:55 Estimation of global solar irradiation with Artificial Neural Network in Timimoun city-Algeria

**Djelloul Benatiallah**, Faculty of Sciences and Technology, University Ahmed Draia, Adrar, 01000, Algeria

10:55-11:20 An inexpensive technology to dissipate seismic energy, explosions and winds in buildings with remote sensing of the state of vibrations of smart city buildings

**Mhd. Fadi Nakrash**, Syrian General Corporation for Railways & Damascus university & Higher Institute for Seismic Research and Studies

11:20-11:35 TESTING AND INTEGRATING VERMI-FERTILIZER WITH CHEMICAL FERTILIZER AND SIMPLE COMPOST ON MUNG BEAN (VIGNA RADIATA)

**Muhammad MohsinAziz**, The University of Agriculture Faisalabad, Punjab, Pakistan

11:35-11:50 Nutrient enrichment of vermicompost for soil improvement

**Mehwish Nadeem**, Department of Botany, Government College University, Faisalabad, Pakistan.

11:50-12:15 Developing and Application of Optimization Techniques in Modern Power Systems

**Prof.. Mohamed Mosaad**,

12:15-12:40 Fresh and mechanical performance of engineered cementitious composite includes High and Low calcium fly ash.

**Prof.. Radhwan Alzeebaree**, Highway and Bridge Department, Duhok Polytechnic University, Duhok, Iraq.

12:40-13:05 Regional Empirical Chl-a Derivation Algorithms for Phytoplankton Monitoring in the Iloilo City Coastline, Philippines

**Jumar G. Cadondon**, Environment And Remote sensing research laboratory, Physics Department, College of Science, De La Salle University Manila, Philippines.

13:05-13:30 The role of Geographical Information Systems (GIS) on assessing the Impact of Climate Change on Biodiversity (A Case Study of Northern Region Malawi)

**Kizito Thawe**, University of Livingstonia

*Closing Session | End of the Day*



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CONFERENCE**