

Scientific Program

International Webinar on **Environmental Engineering and Sustainable Technologies**

Monday
November 15, 2021

Day 1 - November 15, 2021

10:00 - 10:15 Introduction

Oral Presentations

10:15 - 10:45 Thermal and Acoustic Characteristics of New Materials extracted from Agro Waste Materials as New Thermal Insulation Materials for Green Buildings
Mohamed E. Ali, King Saud University, Saudi Arabia

10:45 - 11:15 Assessing the feasibility of onshore wind energy potential through Weibull distribution
Sitotaw Eshete, Debre Tabor University, Ethiopia

Oral Presentations

11:15 - 11:40 The Green Footprint and the City. Energy, Urban Shape, Neighborhood Identity
Cheren Capello, Università degli studi di Catania, Italy

11:40 - 12:05 The role of electric mobility in the transition to green energy
Francesco Bellesini, Emotion Srl, Italy

12:05 - 12:30 Sustainable Initiatives in Sports Organizations—Analysis of a Group of Stakeholders in Pandemic Times
Ricardo Cayolla, Universidade Portucalense, Portugal

12:30 - 12:55 Sustainable electricity production from seawater using *Spirulina platensis* microbial fuel cell catalyzed by silver nanoparticles-activated carbon composite
Eman, National Institute of Oceanography and fisheries, Egypt

Lunch Break (12:55 - 13:30)

13:30 - 13:55 Textile Skins for retrofitting existing façades.
Giulia Procaccini, Politecnico di Milano, Italy

13:55 - 14:20 Bio-Hazardous waste damages in agriculture area (Saint Louis of SENEGAL)
Cheikh Saya Sow, Nague Hygie ne Sante (NHS), Saint Louis, Senegal

14:20 - 14:45 Urban Environmental Interfaces
Biayna Bogosian, Florida International University, United States

14:45 - 15:10 Multi-sensor network-based monitoring system for a resource-saving and automated irrigation of crops in an open field and protected environment
Lukasz Rojek, University of Applied Science, Germany

15:10 - 15:35 Contribution to Urban Forests to the Ecosystem Service of Air Quality in the city of Santo Domingo, Dominican Republic
Claudia Caballero, Instituto Tecnológico de Santo Domingo, INTEC, Dominican Republic

15:35 - 16:00 Assessment of marine litter in a small island for development of educative
Sara Bettencourt, Portuguese Distance Learning , University Portugal

Poster Presentations

16:00 - 16:15 Towards a Multi-GPU approach for genomic data compression
Pasquale De Luca, University of Naples Parthenope, Italy

End of Day 1

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Tuesday
November 16, 2021

Day 2 - November 16, 2021

Oral Presentations

10:00 - 10:25	Renewable energy compared with nuclear power, Uwe , X-Wind Powerplants GmbH, Germany
10:25 - 10:50	Silicon solar cells with multilayer coatings deposited by the ALD method Marek Szindler , Silesian University of Technology, Gliwice, Poland
10:50 - 11:15	Municipal Solid Waste Pumping to the Recycling Plant for Improved Environment Control and Alleviating Transportations Problems Gideon Oron , Ben-Gurion University of the Negev, Israel
11:15 - 11:40	Urban Flood Management through Urban Land Use Optimization Using LID Techniques Mengistu A. Jemberie , Addis Ababa Science and Technology University, Ethiopia
11:40 - 12:05	Electric Truck hydropower, an environmental friendly and viable solution to hydropower in mountainous regions J Hunt , Federal University of Espirito, Santo
12:05 - 12:30	Effect of acid treatment and particle size of clay in the CO ₂ adsorption capacity Nesrine Chouikhia , National Engineering School of Gabes, Tunisia
12:30 - 12:55	Application of Morphometric analysis and Thiessen method for geo-hydrological study using GIS techniques Ngenzebuhoro , Mohammed V University of Rabat, Morocco

Lunch Break (12:55 - 13:30)

13:30 - 13:55	Secure and reliable operation of systems with 100% share of sustainable energy. Hady H. Fayek , Heliopolis University, Egypt.
13:55 - 14:20	Data Fusion Based on Big Data Techniques in Intrusion Detection Context Farah Jemili , University of Sousse, Tunisia
14:20 - 14:45	Microbe as a cell factory for bioethanol production from renewable resources: A Green technology Sanjukta Subudhi , The Energy Resources Institute, India

Poster Presentations

14:45 - 15:00	Hotel Falcon a future new green building in GCC Aleksandar Rudnik Milanovic , Rudnik Urbanism Design Architecture, Serbia
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End of Day 2