

# Final Program

*of*

## INTERNATIONAL WEBINAR ON ENVIRONMENTAL SCIENCE & GREEN ENERGY

**December 06 - 07 2021**

**Theme:** From Fossil fuels to the Plastics – the impact and way forward, come let's share in our – event on Environmental Science & Green Energy.



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# Day 1

## KEY NOTE

08:00-08:05

## INTRODUCTION



**08:05-08:30 - Title:** Green Approach to the Synthesis of Cd-Zn-S(Se) Quantum Dots

**Loghina Liudmila**, *University of Pardubice, Czech Republic*

**08:30-08:55 - Title:** Influence of Dissolved Natural Organic Substances on the Processes of Sorption-Desorption of Metals and Radionuclides in a Freshwater Ecosystem

**Lydia Bondareva**, *Federal Scientific Center of Hygiene, Russia*

**08:55-09:20 - Title:** Analyzing the Levelized Cost of Hydrogen in Refueling Stations with on-site Hydrogen Production via Water Electrolysis in the Italian Scenario

**Simona Di Micco**, *University of Naples, Italy*

**09:20-09:45 - Title:** Hybrid System for Iron and Manganese Reduction from Polluted Water using Adsorption and Filtration

**Ola Diaa El Monayeri**, *Arab Academy for Science and Technology and Maritime Transports, Egypt*

**09:45-10:10 - Title:** Assessing Level of Management in River and Groundwater

**Mostafa Naderi**, *Institute for Advanced Studies in Basic Sciences of Zanjan, Iran*

## COFFEE BREAK 10:10 -10:25

**10:25-10:50 Title:** Modified Kinetic-hydraulic UASB Reactor Model for Treatment of Wastewater Containing Biodegradable Organic Substrates

**Mostafa M El-Seddik**, *Institute of Aviation Engineering and Technology, Egypt*

**10:50-11:15 Title:** Reduction of Textile Microfibers' Pollution: A New Filter Device for the Domestic Washing

**Francisco Belzagui , *Polytechnic University of Catalonia, Spain***

**11:15-11:40 Title:** Modeling of Catalytic Pyrolysis of Metallized Food Packaging Plastics over Zeolite Catalyst

**Ahmed Samy Yousef Saed, *Kaunas University of Technology, Lithuania***

**11:40- 12:05 - Title:** Use of Real Options to Enhance Water-Energy Nexus in Mine Tailings Management

**Natalia Araya Gomez, *Lappeenranta-Lahti University of Technology , Finland***

## **LUNCH BREAK 12:05 - 01:05**

**01:05-01:30 - Title:** Towards Sustainable and Integrated Municipal Solid Waste Management: A Framework for Developing Countries

**Marcio Batista Pereira, *Federal Fluminense University ,Brazil***

**01:30-01:55 - Title:** Green Deal – Tox Free Environment and the New Data Base for Substances of High Concern: How Useful is SCIP Database for Waste Management Sector?

**Beate Kummer, *Environmental Communication GmbH, Germany***

**01:55-02:25 - Title:** Holistic Electrification vs Deep Energy Retrofits for Optimal Decarbonisation Pathways of UK Dwellings: A case study of the 1940s' British post-war

**Ke Qu , *University of Cambridge, United Kingdom***

**02:25-02:50 - Title:** An Equitative Autonomous Distributed Demand Side Management System for Peak Shaving and the Air Conditioning Trap Problem

**Adrian Will , *National Technological University, Argentina***

**02:50-03:15 - Title:** Visitor Environmental Impact on Protected Natural Areas: An Evaluation of the Huaytapallana Regional Conservation Area in Peru

**Edith Maldonado Ore**, *National University of Central Peru, Peru*

**03:15-03:40 - Title:** Bacterial Communities of Lake Sediments of Biotechnological Interest for the Recovery of Wastewater from the Dairy Industry Analyzed by Next Generation Sequencing Illumina

**María Custodio**, *National University of Central Peru, Peru*

**03:40-04:05 - Title:** Control Strategy for the Combustion Optimization for Waste-to-Energy Incineration Plant

**Franco Falconi**, *National Conservatory of Arts and Crafts & Schneider Electric, France*

## Day 2

**08:00-08:05**

## INTRODUCTION

**08:05-08:35 - Title:** Increasing Industrial Productivity and Reduction of Vinasse Volumes of Fermentations with Recycling of Yeast Cells and High Ethanol Concentrations

**Mario Lucio Lopes**, *Fermentec, Brazil*

**08:35-09:05 - Title:** Fungal Pathogens Infecting Moss Green Roofs in Finland

**Eeva M. Marttinen**, *University of Helsinki, Finland*

**09:05-09:35 - Title:** Utilization of  $\delta$ -Manganese Dioxide for the Removal of Indigo Carmine from Aqueous Solutions

**Tryfon Kekes**, *National Technical University of Athens, Greece*

**09:35-10:05 - Title:** Investigation of Alpha Radioactivity Levels in Commonly used Organic and Inorganic Fertilizers by using CR-39 SSNTDs

**Biswajit Das**, *Vidyasagar University, India*

## COFFEE BREAK 10:05-10:20

**10:20- 10:50 - Title:** Developing a Novel Solar-Driven Cool Pavement to Improve the Urban Microclimate

**Ahmed El Qattan ,*Al- Azhar University ,Egypt***

**10:50- 11:20 - Title:** Research and Properties of Heat Preservation Coatings for Hot Ring Rolling of Titanium Alloy and Superalloy

**Chi Feng, *Beijing Tianlichuang Glass Technology Development, China***

**11:20- 11:50 - Title:** Antioxidant Properties of Lipolytic Enzymes as a New Instrument For Estimation the Effects of UV Radiation

**Natalia M.Litvinko, *National Academy of Sciences of Belarus, Belarus***

**11:50-12:20 - Title:** Geochemical Behavior of Filter Materials used in Green Infrastructure and their Decontaminating Potential of Surface Runoff

**Liliana G. Lizárraga Mendiola ,*Autonomous university of the state of hidalgo , Mexico***

**12:20- 12:50 - Title:** Heavy Metals in Soils and Edible Tissues of *Lepidium Meyenii* (Maca) and Health Risk Assessment in Areas Influenced by Mining Activity in the Central Region of Peru

**Edith Orellana Mendoza, *National University of Central Peru , Peru***

**12:50-01:20 - Title:** The impact of resource control on electricity systems

**Guido Grause, *Tohoku University ,Japan.***

**01:20-01:50 - Title:** Heat Transfer Enhancement and Optimization Analysis of Energy Storage Based Solar Thermal Collector

**Sarvenaz Sobhansarbandi , *University of Missouri-Kansas City, United States***

**01:50-02:20 - Title: Graphene and graphene like nano-dimensioned materials for diagnostic Applications**

**Suman Singh ,*CSIR-Central Scientific Instruments Organisation ,India***

**02:20-02:50 - Title: Natural and Man-Made Sources of Radiation**

**Michael Howard, *University of Tennessee ,USA***