

## 4<sup>th</sup> Online International Conference on Environmental Sustainability and Climate Change

Day 1 - March 28, 2022 BRITISH SUMMER TIME (BST) - STARTS FROM 11:00 AM

11:00 - 11:15 Opening Ceremony and Introduction

### Oral Presentations

11:15 - 11:35 Sustainability of recycled glass in 3D construction printing  
**Yi Wei Daniel Tay**, Nanyang Technological University, Singapore

11:35 - 11:55 Demonstration of packaging product solutions based on transformed hop waste  
**Kristina Sukova**, TRIDAS s. r. o., Czech Republic

11:55 - 12:15 Composting as the best way to introduce circular economy to hop production  
**Barbara Čeh**, Slovenian Institute of Hop Research and Brewing, Slovenia

12:15 - 12:35 Comparison of different double stage biorefinery schemes on *Eucalyptus Globulus*  
**Susana Lozano Calvo**, University of Huelva, Spain

12:35 - 12:55 Recycling and waste treatment technologies  
**Klaus Wohnig**, APK AG, Germany

### Break (12:55 - 13:30)

13:30 - 13:50 Characterization of a tomato genotype able to improve resource use efficiency in water-limited conditions  
**Silvana Francesca**, University of Naples "Federico II", Italy

13:50 - 14:10 Modeling the Above Ground Biomass (AGB) of selected tree species in Nigeria  
**Oluwafemi Samuel Oyamakin**, University of Ibadan, Nigeria

14:10 - 14:30 Seawater acidification affects beta-diversity of benthic communities at a shallow hydrothermal vent in a Mediterranean marine protected area (underwater archaeological park of Baia, Naples, Italy)  
**Luca Appolloni**, Università degli studi di Napoli "Parthenope", Italy

14:30 - 14:50 Net global warming potential as influenced by nitrogen sources for wheat cultivation in Bangladesh  
**Md Mozammel Haque**, Bangladesh Rice Research Institute, Bangladesh

14:50 - 15:10 Application of LCA methodology for evaluating the expanded clay granulate production by using different fuels  
**Francesca Valenti**, University of Catania, Italy

15:10 - 15:30 Temporal and geospatial analysis of potato psyllid incidence for almost a decade-long in Texas  
**Gabriela Esparza-Diaz**, Texas A&M AgriLife Research and Extension Center, USA

### Poster Presentations

15:30 - 15:45 Simultaneous investigation and evaluation of the deammonification versus conventional nitrification/denitrification processes in a two-laned landfill leachate treatment pilot plant  
**Nitesh Babu Annepogu**, Cologne University of Applied Sciences (TH Köln), Germany

15:45 - 16:00 Pyrolysis process as an alternative to the valorization of MSW compost in the province of Huelva (Spain)  
**Sergio Clemente Castro**, University of Huelva, Spain

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# Environmental Sustainability and Climate Change

16:00 - 16:15 Improving rice yield in moderately salt-affected soil by adapted rice varieties and organic manure in the Sourou Valley rice scheme in Burkina Faso  
**Poulouma Louis YAMEOGO**, Institute of the Environment and Agricultural Research/ Institut de l'Environnement et de Recherches Agricoles (INERA), Burkina Faso

16:15 - 16:30 Noble metal ion adsorption on activated carbon supported by microwaves  
**Karolina Kolczyk-Siedlecka**, AGH University of Science and Technology, Poland

### Oral Presentations

16:30 - 16:50 A non-destructive method based on a digital photography for the determination of vigor and the vegetative expression of vines  
**Paula Cristina Oliveira**, University of Trás-os-Montes e Alto Douro, Portugal

16:50 - 17:10 Sanitary measures mitigate rodenticides applications in the management of resistant Norway rats (*Rattus norvegicus*) on farms  
**Alexandra Esther**, Julius Kuehn-Institute (JKI), Germany

### End of Day 1 Sessions and Closing Ceremony

Day 02 - March 29, 2022

BRITISH SUMMER TIME (BST) - STARTS FROM 11:00 AM

### Keynote Presentations

11:00 - 11:25 Bokashi technology to recycle biowastes into an organic fertilizer  
**Margit Olle**, NPO Veggies Cultivation, Estonia

11:25 - 11:50 Exploration of microbial diversity of mining environment for their ability to extract various metals from low grade reserves  
**Lala Behari Sukla**, Biofuels and Bioprocessing Research Center, Siksha 'O' Anusandhan (Deemed to be University), India

11:50 - 12:15 Climate change and emerging food safety issues in Pakistan  
**Tahseen Fatima Miano**, Sindh Agriculture University, Pakistan

### Oral Presentations

12:15 - 12:35 Local railway service and housing value in small towns: Empirical evidence from Italy  
**Gianluca Mattarocci**, Università di Roma Tor Vergata, Italy

12:35 - 12:55 Climate change legislation – Need for strong structured institutional law and framework  
**Prachi Ugle Pimpalkhute**, Eco Endeavourers Network, UK

### Break: 12:55-13:30

13:30 - 13:50 Municipal solid waste on-farm composting and its use in amelioration of alkali soils  
**Yash Pal Singh**, ICAR-Central Soil Salinity Research Institute, India

13:50 - 14:10 The use of thin films deposited by the ALD method in silicon solar cells  
**Marek Szindler**, Silesian University of Technology, Poland

14:10 - 14:30 Improving the reliability design of mechanical systems such as refrigerator  
**Seongwoo Woo**, Ethiopian Technical University, Ethiopia

14:30 - 14:50 Fungal mannanase production from industrial waste  
**Hemant Soni**, Central Ayurveda Research Institute (CARI), India

14:50 - 15:10 A comparative study based on anaerobic digestion of kitchen waste with wastewater and freshwater  
**Adya Isha**, Indian Institute of Technology Delhi, India

## **Environmental Sustainability and Climate Change**

15:10 - 15:30	Virulence assessment among 114 <i>Ralstonia solanacearum</i> isolates causing bacterial wilt of chili from eight agro-ecological zones of Pakistan <b>Tariq Mukhtar</b> , Pir Mehr Ali Shah Arid Agriculture University Rawalpindi, Pakistan
15:30 - 15:50	Marine macroalgae cultivation in relation to changes in temperature and wave at the entrance of the Panama Canal, Caribbean <b>Gloria Batista de Vega</b> , Universidad de Panamá, Panama
Poster Presentation	
15:50 - 16:05	Reflections on the impact of the Regiotram western mobility project in Colombia, and its contribution to the sustainable development of the territory <b>Edgar Ricardo Monroy Vargas</b> , Universidad Piloto de Colombia Colombia
End of Day 2 Sessions, Closing Ceremony and Certificate Felicitation	