

# Scientific Program

2<sup>nd</sup> International Webinar on

## Recycling & Waste Management

Monday  
March 29, 2021

Day 1 - March 29, 2021

STARTS AT BRITISH TIME - 10:00 AM

10:00 - 10:10 Introduction

### Oral Presentations

10:10 - 10:35 Elevated CO<sub>2</sub> and increased nitrogen worsen damage caused by aphid pest on wheat  
Eva Maria Carreras Navarro, Agriculture Victoria and The University of Melbourne, Australia

10:35 - 11:00 Efficient development of functional composts utilizing spent coffee ground, rice bran and biochar through microbial bioaugmentation  
Sung-Cheol Koh, Korea Maritime and Ocean University, South Korea

11:00 - 11:25 Biochar's role in soil health and food quality: A case study of soil microbiome improvement against rot disease with Chinese Panax ginseng grown in a continuously cropped Alfisol  
Genxing Pan, Nanjing Agricultural University, China

11:25 - 11:50 Study on the chemical and crystal structure in wood treated by high-intensity microwave  
Wang Zhenyu, Chinese Academy of Forestry, China

11:50 - 12:15 Biochar significantly reduced fumigant emissions under field conditions  
Qiuxia Wang, Chinese Academy of Agricultural Sciences, China

12:15 - 12:40 Evidences of N<sub>2</sub>O emissions in chloropicrin-fumigated soil  
Wensheng Fang, Chinese Academy of Agricultural Sciences, China

12:40 - 13:05 Chloropicrin alternated with biofumigation increases crop yield and modifies soil bacterial and fungal communities in strawberry production  
Daqi Zhang, Chinese Academy of Agricultural Sciences, China

Lunch (13:05 - 13:30)

### Keynote Presentations

13:30 - 14:00 Proso millet (*Panicum miliacuem* L.) as climate-resilient food grains for human health  
Dipak Santra, University of Nebraska-Lincoln, Panhandle Research and Extension Center, USA

14:00 - 14:30 Large scale production and field applications of ready-mix recycled aggregate concrete (RAC) for sustainable construction  
M Shahria Alam, The University of British Columbia, Canada

### Poster Presentations

14:30 - 14:50 Modeling the spatial distribution of grey mullet using fishery and remote sensing data  
Teng Sheng-Yuan, National Taiwan Ocean University, Taiwan

14:50 - 15:10 Valorization by acid hydrolysis from three industrial crops (Tagasaste, Leucaena and Paulownia trihybrid)  
Susana Lozano Calvo, University of Huelva, Spain

15:10 - 15:30 Health area of LIFE NAdapta Project  
Estrella Miqueleiz, Instituto de Salud Pública y Laboral de Navarra, Spain

15:30 - 15:50 Quality of compost from hop biomass related to compost heap preparation  
Lucija Luskar, Slovenian Institute of Hop Research and Brewing, Slovenia

### Oral Presentations

# Scientific Program

2<sup>nd</sup> International Webinar on

## Recycling & Waste Management

Monday  
March 30, 2021

15:50 - 16:15	<b>Małopolska region's actions towards climate neutrality and air quality improvement</b> Janusz Zyśk, AGH University of Science and Technology, Poland
16:15 - 16:40	<b><i>In Situ</i> trans esterification of low quality rapeseed in diesel fuel media</b> Migle Santaraite, Vytautas Magnus University Agriculture Academy, Lithuania
16:40 - 17:05	<b>Comparative study of the energetic and reproductive condition of the European pilchard between two nearby water bodies: The Atlantic Ocean and the Mediterranean Sea (South of the Iberian Peninsula)</b> Marta Caballero Huertas, University of Girona, Spain
17:05 - 17:30	<b>Pressure of parasitism, microplastics and thermal regimes on the state of health of European sardine along the Catalan Coast</b> Xènia Frigola Tepe, University of Girona, Spain

End of Day 1 Sessions

# Scientific Program

2<sup>nd</sup> International Webinar on

## Recycling & Waste Management

Tuesday  
March 30, 2021

Day 2 - March 30, 2021

STARTS AT BRITISH TIME - 10:00 AM

### Oral Presentations

10:00 - 10:25	<b>Maltose and totally impermeable film enhanced suppression of anaerobic soil disinfection on soilborne pathogens and increased strawberry yield</b> Zhaoxin Song, Chinese Academy of Agricultural Sciences, China
10:25 - 10:50	<b>Dimethyl disulfide (DMDS) as an effective soil fumigant against nematodes in China</b> Dongdong Yan, Chinese Academy of Agricultural Sciences, China
10:50 - 11:15	<b>Effect of treated wastewater on soil and environment</b> Ajay Singh, Indian Institute of Technology Kharagpur, India
11:15 - 11:40	<b>Bacterial identification in the root of candidate intergeneric hybrid of common bean</b> Dilek Tekdal, Mersin University, Turkey
11:40 - 12:05	<b>Proteomic responses of barley landraces to salt stress at the tillering stage</b> Rahma Jardak, Centre of Biotechnology of Borj-Cedria, Tunisia
12:05 - 12:30	<b>Main sources of dioxins generation at metals thermal treatment</b> Anahit Aleksandryan, Ministry of Environment of the Republic of Armenia, Armenia
12:30 - 12:55	<b>Egyptian standard specifications for drinking water: Parasitic point of view</b> Wafaa Mohamed Abdalla Hikal, National Research Centre, Egypt and University of Tabuk, KSA

### Keynote Presentations

12:55 - 13:05	<b>Title: Changing the channel on communicating climate change to the public</b> Anton Holland, NIVA Inc., Canada
13:05 - 13:35	<b>Use of perennial wild food plants to diversify Cambodian agriculture for improved nutrition and income</b> Ricky M Bates, Penn State University, USA

### Certificate Felicitation and Closing Ceremony

End of Day 2 Sessions