

Scientific Program

4th Webinar on Agriculture, Food & Aqua

Thursday
July 29, 2021

Day 1 - July 29, 2021 - British Time

11:00 - 11:10 Introduction

Keynote Presentations

11:10 - 11:40 **Algae as a source for novel functional food ingredients to provide immune shield**
Dorit Avni, Department of Natural compounds and Nutrition MIGAL-Applied Research Institute, Israel

11:40 - 12:10 **Extraction and characterization of antioxidants from food by-products**
Ksenia Morozova, Free University of Bozen-Bolzano, Italy

Oral Presentations

12:10 - 12:35 **The analysis of methylation level of CBDA and THCA genes isolated from micropropagated Cannabis sativa plants**
Marlena Szalata, Poznan University of Life Sciences, Poland

12:35 - 13:00 **Combined effect of Vaccinium nilgiriensis bark extract and 680 nm laser irradiation in inducing breast cancer cell death**
Blassan George, University of Johannesburg, South Africa

13:00 - 13:25 **Gene expression profiles of transgenic and mutagenically modified Oryza sativa L. ssp. Japonica**
Manisha Mandal, MGM Medical College, India

Lunch (13:25 - 14:00)

14:00 - 14:25 **Exploration of endosymbiotic bacteria, Wolbachia pipientis in Coconut hispine beetle, Brontispa longissima (Gestro) (Coleoptera: Chrysomelidae)**
Habib Ali, Khwaja Fareed University of Engineering and Information Technology, Pakistan

14:25 - 14:50 **Determination of aflatoxin M1 levels in milk from mastitic and non mastitic cows**
Nancy Nleya, Northwest University, South Africa

14:50 - 15:15 **The water-energy-food nexus as a catalyst for enhancing cooperative governance for climate change adaptation in South Africa**
Khanyisa Brian Mantlana, Council for Scientific and Industrial Research, South Africa

15:15 - 15:40 **Reliability design of plant system such as mechanical mechanism subjected to repetitive stresses**
Seongwoo Woo, Addis Ababa Science & Technology University, Ethiopia

15:40 - 16:05 **High pressure processing as a pre-treatment to increase raw ewe milk-cheese yield and safety**
Rita Santos Inácio, School of Agriculture of Polytechnic Institute Beja, Portugal

16:05 - 16:30 **Haematological effects of ethanolic leaves extract of Bryophyllum pinnatum in alloxan-induced diabetic rats**
Chinedu Imo, Federal University Wukari, Nigeria

16:30 - 16:55 **Chitosan hydrogel as stabilizer in ice cream**
Suzana Caetano da Silva Lannes, University of Sao Paulo, Brazil

Poster Presentation

16:55 - 17:05 **Nodular diagnosis of chickpea cultivated on calcareous soils under mediterranean climate**
Y. Chenene, High National School of Agronomy, Algeria

End of Day 1 Sessions

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Friday
July 30, 2021

Day 2 - July 30, 2021 - British Time

Oral Presentation

11.00 - 11.25 Investigate suitable business model for bush food supply chain for Australia
Li Meng, STEM University of South Australia, Australia

Keynote Presentation

11.25 - 11.55 Supply chain Agrifood during and post COVID-19
Ferry Jie, Edith Cowan University, Western Australia

Oral Presentations

11.55 - 12.20 Rollback of regulations on GMO food and fibre crops
Robert Redden, RJR Agricultural Consultants, Australia

11.20 - 12.45 Effect of various stresses on urban plants, especially on photosynthesis
Vijay Kumar Dalal, Dayalbagh Educational Institute, India

12.45 - 13.10 Impact of plant growth regulars (PGRs) herbal vs synthetic on physiology & agronomy of chickpea (*Cicer arietinum* L.) in climate resilient scenario
Iqtidar Hussain, Gomal University, Pakistan

Lunch (13:10 - 13:30)

13.30 - 13.55 Seaweed based quaternary ammonium salts for seed treatments enhancing germination and healthy plant growth facilitating environmental sustainability
Rosy Sequeira, CSIR-Central Salts and Marine Chemicals Research Institute, India

13.55 - 14.20 Implications of titanium dioxide nanoparticle-induced toxicity in Nile tilapia (*Oreochromis*)
Vineetha V P, Kerala University of Fisheries and Ocean Studies, India

14.20 - 14.45 Extraction of rosmarinic acid from balm-mint or lemon balm (*Melissa officianis*) using diethyl ether by super-natal temperature for food preservative and treatment of chronic viral diseases
Salako N. Olatunji, CCACBWA, Nigeria

14.45 - 15.10 Performance of early planted tomato under partial shade condition
Md. Samim Hossain Molla, Bangladesh Agricultural Research Institute, Bangladesh

15.10 - 15.35 Identification of quantitative trait nucleotides and candidate gene for tuber yield and mosaic virus tolerance in an elite population of white guinea yam (*Dioscorea rotundata*) using genome-wide association scan
Paterne A. Agre, International Institute of Tropical Agriculture, Nigeria

15.35 - 16:00 Yield and Shoot Biomass Losses Under Different Fungicides applications for the Control of Leaf Rust disease (*Uromyces eragrostidis*) of Tef at East and North Shoa Zones of Ethiopia
Ashenafi Gemechu Degete, Ethiopian Institute of Agricultural Research, Ethiopia

16:00 - 16:25 Jasmonic-acid interrupted maize responses under variable saline environment at early growth stages
Ramala Masood Ahmad, University of Agriculture, Pakistan

End of Day 2 Sessions