

2nd WEBINAR ON
**PLANT SCIENCE &
GENOMICS**

April 29 - 30, 2021

Coalesce Research Group
33 Market Point Dr,
Greenville, SC 29607, USA

Contact Us:

Phone: +1-718-543-9362
Whatsapp: +1-315-902-2237
plantgenomics@crgmeetings.org

Scientific Program

2nd Webinar on Plant Science & Genomics

Thursday
April 29, 2021

Day 1 - April 29, 2021

11:00 - 11:10 Introduction

Keynote Presentation

11:10 - 11:40 **Genome-Wide Identification of Quantitative Trait Loci for Grain Size and Weight in Rice**
Jiezheng Ying, China National Rice Research Institute, China

Oral Presentation

11:40 - 12:00 **Suitability of *Miscanthus x giganteus* for enhancing the low-quality soils and remediating contaminated agricultural lands**
Karim Suhail Al Souki, Jan Evangelista Purkyně University, Czech Republic

12:00 - 12:20 **Photosynthetically controlled spirulina inhibits TNF- α secretion: Potential implications for COVID-19-related cytokine storm therapy**
Dorit Avni, Kiryat Shemona, Israel

12:20 - 12:40 **Signal transduction regulations in response to UV-B light in date palm shed a comprehensive light on the plant resistance**
Elsayed Nishawy, Egyptian Deserts Gene Bank, Egypt

Lunch (12:40 - 13:20)

Keynote Presentation

13:20 - 13:50 **Insights on Sustainable Nano-enabled Approaches in Agriculture and Food (Agri-food)**
Loo Say Chye Joachim, Nanyang Technological University, Singapore

Oral Presentation

13:50 - 14:10 **Heavy metals contamination in fish**
Heba Hassan Mahboub, Faculty of Veterinary Medicine, Zagazig University, Egypt

14:10 - 14:30 **Genotyping of CRISPR Cas9 tomatoes varieties**
Carlos Vera Anton, University of Queensland, Spain

14:30 - 14:50 **Consumption of high protein foods and their impact on health of Mauritians**
Sohawon Hanaa Amiirah, Nutritionist-Dietician, Naturhouse Dietetic Centre, Mauritius

14:50 - 15:10 **A Systematic review of active ingredients and usefulness of *dracocephalum kotschy* as traditional medicine in iran**
Faham Khamesipour, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Poster Presentation

15:10 - 15:25 **Climate change Resilience of Indigenous Socio-Ecological systems' (RISE)**
Varvara Parilova, North-Eastern Federal University, Russian Federation

15:25 - 15:40 **Oudneya Africana R. Br. response to abiotic stresses**
Sabrina Darem, University of Badji-Mokhtar, Algeria

15:40 - 15:55 **Morphotaxonomical and ploidy level revision of *Festuca* taxa along the Danube**
Gergely Pápay, Hungarian University Of Agronomy and Life Sciences, Hungary

Oral Presentation

15:55 - 16:15 **miR156/SPL12 regulates nodulation and root regeneration in *Medicago sativa***
Vida Nasrollahi, University of Western Ontario, Canada

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Video Presentation

- 16:15 - 16:30 Probiotics and Metabolic Syndrome Components: A Comprehensive Review on Recent Advances, and Clinical Implications.
Marjan Mahdavi-Roshan, Guilan University of Medical Sciences, Rasht, Iran
- 16:30 - 16:45 Gastroprotective Effect of Banana Flower (Banana Male Bud) against Indomethacin-Induced Gastric Ulceration in Rats
Fatima M Alessa, King Faisal University, Saudi Arabia

End of Day 1 Sessions

Friday
April 30, 2021

Day 2 - April 30, 2021

Keynote Presentation

- 11:00 - 11:30 Controlled release of micronutrients from protein-based matrices to plants
Mercedes Jiménez-Rosado, Department of Chemical Engineering, University of Seville, Spain

Oral Presentation

- 11:30 - 11:50 Neem (*Azadirachta indica* A. Juss) in crop protection against pests
Djouhou Fowe Michelle Carole, University of Yaoundé I, Cameroon
- 11:50 - 12:10 Diversity, utilization pattern and representativeness of dye yielding plants in North Western and Western Himalaya, India: an untapped source for Bioprospection
Shreekar Pant, BGSB University, India
- 12:10 - 12:30 Plant extracts such as insecticides
Natale Badalamenti, Pharmaceutical Sciences and Technologies, Italy
- 12:30 - 12:50 Nutrients deficiency affects *Miscanthus x giganteus* physiology and essential metals uptake more intensively than soil contamination
Diana Nebeská, Jan Evangelista Purkyně University, Czech Republic

Lunch (12:50 - 13:20)

- 13:20 - 13:40 Trait profiling of white Guinea yam (*Dioscorea rotundata*) breeding lines using breeding values and genomic estimated breeding values
Prince E. Norman, University of Ghana, Ghana
- 13:40 - 14:00 Adequacy of calcium intake in Spanish population according age groups
Patricia Romero Marco, International Osteoporosis Foundation and National Osteoporosis Foundation, Spain

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Keynote Presentation

14:00 - 14:30 Future Research in Agribusiness and Food
Ferry Jie, Secretary to the CILTA Western Australia Committee, Australia

Oral Presentation

14:30 - 14:50 Production of functional food by application of microparticles filled with bioactive components during the agricultural production
Marko Vinceković, University of Zagreb, Croatia

14:50 - 15:10 An inventory of the types of rodent spread in Houses with a study of external parasites of the most dominant species at Esna area, Luxor Governorate
Abd El-Aleem S. S.Desoky, Sohag University, Egypt

Keynote Presentation

15:10 - 15:40 Efficacy, Dosage, Safety, Quality and Taxonomic Identification of Cannabis
Damon Giesbrecht, University of Colorado, Canada

Oral Presentation

15:40 - 16:00 Antioxidant and antimicrobial activity of Moringa Oleifera leaves growth in Alhasa region in chicken burger
Randah M Alqurashi, Department of Food and Nutrition King Faisal University, Saudi Arabia

Poster Presentation

16:00 - 16:15 QTL mapping for two fodder quality related key traits in Sorghum (*Sorghum bicolor* L.)
Vinutha K Somegowda, ICRISAT, India

16:15 - 16:30 Rootstocks shape their microbiome - Bacterial communities in the rhizosphere of different grapevine rootstocks
Leonie Dries, Hochschule Geisenheim University, Germany

Video Presentation

16:30 - 16:45 Dimethyl disulfide (DMDS) as an effective soil fumigant against nematodes in China
Dongdong Yan, Academy of Agricultural Sciences, China

16:45 - 17:00 Plant Breeding: Genomics &Metabolomics Approach
Nergiz Gürbüz Çolak, Izmir Institute of Technology, Turkey

End of Day 2 Sessions