

# ? WHO SHOULD ATTEND

Plant and agricultural associations, Plant physiologists, Plant microbiologists, Plant biotechnologists, Plant genomics students and scientist, Plant Science researchers and faculty, Business entrepreneurs, Agriculture companies and Horticulture Companies

Virtual Congress

International Conference on

# PLANT SCIENCE AND BIOLOGY

JUNE 21-22, 2021

**Theme:** Pioneering Discoveries and  
Cutting-edge research that fuel  
Innovations in Plant Science and Biology

2

DAYS WITH MORE  
THAN 45 SESSIONS,  
KEYNOTES & TALKS

12+

INNOVATIVE  
FEATURED  
SPEAKERS

20+

HOURS OF  
NETWORKING  
EVENTS

60+

INTERNATIONAL  
SPEAKERS

125+

EDUCATIONAL  
SESSIONS

# PRESENTATION FORUM

## KEYNOTE FORUM / MINI-PLenary SESSIONS

Presentations under Keynote Forum or Mini-Plenary Sessions includes abstracts with remarkable research value selected by the program committee. These significant speeches are delivered by globally recognized honorable speakers and it is open to all registrants.

## DISTINGUISHED SPEAKERS FORUM (ORAL ABSTRACT SESSIONS)

In this forum, speakers and experts of the research field gets an opportunity to showcase their noble research work that involves comprehensive research findings. These formal oral presentations include a wide range of talks covering basic research to advanced research findings in accordance to the theme and scientific sessions of the conference.

## STUDENT FORUM

### POSTER SESSION

This session is particularly introduced to encourage more number of student participation at international conferences, however it is not restricted only to students since it is also available for the participants with language barrier. There are specific guidelines to be followed to prepare the poster. Poster topic should be selected only from relevant scientific sessions with in-depth technical details.

### YOUNG INVESTIGATORS FORUM

An exclusive opportunity for students and young investigators to present their research work through a formal oral presentation. Young Investigators Forum provides a global platform for young researchers and scholars to showcase their valuable contribution to the scientific world and to get acknowledged by the global scientific community of experts. It is an excellent opportunity to recognize young scientific assets with promising research ideas. These oral presentations are of shorter time duration with 10-15 minutes of informative and precise presentations in relevant scientific sessions.

TIME TO  
**CONNECT**  
WITH YOUR  
**PEERS**



Register & Participate

in

PLANT SCIENCE TODAY

**2021**

TYPES OF  
ACADEMIC  
REGISTRATIONS

**SPEAKER  
REGISTRATION**

**COMBO A**

(Registration + 2 night's accommodation)

**COMBO B**

(Registration + 3 night's accommodation)

**DELEGATE REGISTRATION**



**NO SECRET IS SAFE SHARE YOUR RESEARCH**

<https://plantscience.peersalleyconferences.com/>

## EDUCATIONAL WORKSHOPS/ RESEARCH WORKSHOPS/CORPORATE WORKSHOPS/MINI- SYMPOSIA

With an aim of transferring knowledge among the participants, workshops are introduced as a part of international conferences. These interactive and occasionally practical sessions gives an opportunity for participants to engage in detail discussion. Workshops are mostly scheduled for 60 to 90-minutes. It may range from learning about a specific topic relevant to international education, products and research which sometimes involves practical demonstration. It helps in enhancing skills, knowledge and understanding of the research field in depth through interactive discussions.

## HIGHLIGHTS OF THE DAY SESSIONS

"Highlights of the Day Sessions" is introduced to discuss and focus a ray upon previous day ORAL ABSTRACT presentations by experts to summarise the key findings. It helps in getting better insights into the various dimensions of the topic.

## EDUCATIONAL SESSIONS/ TRAINING PROGRAMS

Educational Sessions or training programs are specifically designed for a better understanding of the latest findings and technologies. These are generally 45-minute sessions that gives an exposure to the multidisciplinary field, that provides in-depth learning experiences and address educational needs.

## MEET THE PROFESSOR @ NETWORKING SESSIONS

This session involves open discussion between the experts and session attendees, it gives enough time for getting answers to specific questions and doubts. It is an opportunity for attendees to increase their professional networking, sometimes also leads to an excellent collaboration opportunity.

## SCIENTIFIC TRACKS/ SESSIONS

Plant Tissue Culture and Plant Biotechnology | Plant Genetics and Epigenetic | Plant Breeding and Molecular Breeding | Plant Pathology and Plant-Microbe Biology | Nanotechnology and Plant Sciences | Medicinal and Aromatic Plant Sciences | Plant Physiology and Biochemistry | Plant Morphology and Plant Metabolism | Soil science and Soil-Plant Nutrition | Agricultural Sciences and Bio security | Plant Ecology and Diversity | Horticulture and Landscaping | Crop Research and Seed Science Technology | Plant Synthetic and Weed Biology Control | Plant Science Research and Natural Products | Forest Science and Technology | Agricultural and Industrial Byproducts- Business - new realities | Plant Neurobiology and Plant Diseases and Bryology | Plant Anatomy and Molecular Biology | Plants and Climate Change- Overcoming Measures | Agricultural Genomics and Cereal Genomics | Plant Nutritional Genomics | Plant Signaling and Chemical Signaling | Plant Genome Sequencing | Crop Improvement and Plant Hormones | Plant Proteomics

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## TYPES OF BUSINESS REGISTRATIONS

### SPEAKER REGISTRATION

#### COMBO A

(Registration + 2 night's accommodation)

#### COMBO B

(Registration + 3 night's accommodation)

#### DELEGATE REGISTRATION

## TYPES OF STUDENT REGISTRATIONS

### REGISTRATION

#### YRF

#### COMBO A

(Registration + 2 night's accommodation)

#### COMBO B

(Registration + 3 night's accommodation)

#### POSTERS

## TYPES OF ADDITIONAL REGISTRATIONS

#### Accompanying Person

#### E-Poster

#### Virtual Presentation

#### Workshops

#### Start-Ups



# Concurrent Educational Sessions

## MONDAY, JUNE 21, 2021

### PLANT TISSUE CULTURE AND PLANT BIOTECHNOLOGY

- Micro propagation in plants
- Applications of Plant Tissue Culture
- Callus and suspension Culture
- Embryo Culture
- Regeneration of Plantlets
- Somatic Hybridization
- Resistance to weedicides

### PLANT GENETICS AND EPIGENETIC

- miRNA and RNA analysis
- Genetic conferences
- Plant breeding methods
- Pathogen detection and analysis
- Epigenetics and DNA methylation studies
- Disease and stress resistance

### PLANT BREEDING AND MOLECULAR BREEDING

- Molecular Marker
- Molecular marker development / Marker assisted selection
- Plant Molecular Assisted Breeding
- Marker Development
- Dubai Plant Science congress
- Genetic Modification
- Mutagenesis in Plant Breeding
- Mapping of Genes

### PLANT PATHOLOGY AND PLANT-MICROBE BIOLOGY

- Insect Plant Interactions
- Microbial Genomics
- Plant Environment Interaction
- Fungal Plant Interaction
- Nutrition Improvement
- Plant Immune Response
- Plant Science

## GROUP PHOTO

## COFFEE BREAK

### NANOTECHNOLOGY AND PLANT SCIENCES

- Medicinal and Aromatic Plant Sciences
- Biotechnology meetings
- Soil Science and Soil-Plant Nutrition
- Agricultural Science
- Plant Morphology and Plant Metabolism
- Plant Physiology and Biochemistry
- Green Nanotechnology
- Plant Nano toxicology

### MEDICINAL AND AROMATIC PLANT SCIENCES

- Aromatic plants
- Collection
- Crude drugs
- Medicinal plants

### PLANT PHYSIOLOGY AND BIOCHEMISTRY

- Physiology
- Biochemistry
- Cellular and molecular biology
- Genetics
- Biophysics
- Environmental

### PLANT MORPHOLOGY AND PLANT METABOLISM

- Plastid Metabolite Transporters
- Photosynthesis
- Light Reactions
- Oxidation-Reduction Reactions

## LUNCH BREAK

### SOIL SCIENCE AND SOIL-PLANT NUTRITION

- Soil Minerals
- Plant Nutrition
- Soil environment
- Soil disintegration
- Soil transformation

### AGRICULTURAL SCIENCES AND BIO SECURITY

- Agricultural modernization
- Biosecurity
- Envirotechnical regimes

### PLANT ECOLOGY AND DIVERSITY

- Agro forestry
- Microbial biomass
- Soil enzymes
- Multi-substrate-induced respiration rates
- Management strategy
- Native plants

### HORTICULTURE AND LANDSCAPING

- Floriculture Management
- Greenhouse Management
- Plant Nursery Operations
- Ornamental Horticulture
- Turf Management

## COFFEE BREAK

### CROP RESEARCH AND SEED SCIENCE TECHNOLOGY

- Agricultural seed science
- Plant Breeding
- Plant Biology
- Agricultural Science

### PLANT SYNTHETIC AND WEED BIOLOGY CONTROL

- Soil-inhabiting
- Insect pests
- Parasitic plants

### PLANT SCIENCE RESEARCH AND NATURAL PRODUCTS

- Plant proteomics
- Molecular Plant Physiology
- Plant stress biology

### FOREST SCIENCE AND TECHNOLOGY

- Soil disintegration
- Climate change
- Species richness
- Disturbance

# Concurrent Educational Sessions

## TUESDAY, JUNE 22, 2021

### AGRICULTURAL AND INDUSTRIAL BY-PRODUCTS- BUSINESS - NEW REALITIES

- Agro-industrial by-products
- Antimicrobial packaging
- Agri science

### PLANT NEUROBIOLOGY AND PLANT DISEASES AND BRYOLOGY

- Environmental signs
- Biological information transmission
- Quantum neurobiology
- Quantum biology

### PLANT ANATOMY AND MOLECULAR BIOLOGY

- Chloroplast
- Mitochondria
- Anabolism and Catabolism
- Botany
- Medicinal plants
- Micro phyto

### PLANTS AND CLIMATE CHANGE-OVERCOMING MEASURES

- Ecosystem-based planning
- Climate governance
- Climate change
- Framing

## GROUP PHOTO

## COFFEE BREAK

### AGRICULTURAL GENOMICS AND CEREAL GENOMICS

- Agricultural Meteorology
- Seasons and Systems of Farming
- Irrigation and Water Management
- Harvesting and Post-harvest Technology
- Agronomy of Field Crops and Biofuel Plants

### PLANT NUTRITIONAL GENOMICS

- Green nanotechnology
- Agriculture Nano toxicology
- Uptake and Translocation of Nanoparticles in plants
- Effects of Nanoparticles on plant growth and development
- Transgenic plants producing vaccines
- Vaccines given to plants for healthy vegetation

### PLANT SIGNALING AND CHEMICAL SIGNALING

- Energy Conversion and Metabolic Regulation in Chloroplasts
- Bio-energy Conversion
- Signal Transduction in Plants
- Dissecting Mechanism in Crop Plants

### PLANT GENOME SEQUENCING

- Protein Engineering
- Drug Development and design
- Single nucleotide polymorphisms
- Next-Gen Sequencing

## LUNCH BREAK

### CROP IMPROVEMENT AND PLANT HORMONES

- Plants affecting the soil
- Plant and Micro biome
- Nutrient uptake and plant growth
- Plant hormones

### PLANT PROTEOMICS AND PLANT NUTRITIONAL GENOMICS

- Green nanotechnology
- Agriculture Nano toxicology
- Uptake and Translocation of Nanoparticles in plants
- Effects of Nanoparticles on plant growth and development
- Transgenic plants producing vaccines
- Vaccines given to plants for healthy vegetation
- Omics Data integration
- Plant Interaction with Environment
- Quantitative Proteomics

### GENETICALLY MODIFIED ORGANISMS

- Genetically Modified Food
- Genetically Modified Crop
- Plant Science
- GMO and Environment Interaction
- Genetic Engineering
- Transgenic Plants

### PLANT GENOME ENGINEERING STRATEGIES AND DEVELOPMENTS

- Improving gene editing technology, enzymes, and methods
- Genome editing applications using new techniques
- Genome editing and the latest EU policies
- Genome / DNA assembly for editing
- Plant Genetic Engineering and GM crops
- Plant Gene Editing for the Consumer
- Plant Genomics its Applications in Cereals
- Plant Genome Engineering and Plant genetic diversity

## COFFEE BREAK

### PLANT FUNCTIONAL GENOMICS AND BIOTECHNOLOGY

- Cereal Genomics
- Plant Science Meeting
- Plant genomics scope in Europe
- Micro propagation in Plants
- Plant Tissue Culture and Biotechnology
- Sequencing
- Transcriptomics
- Proteomics
- Molecular marker development / Marker assisted selection

### BIOINFORMATICS AND DATA ANALYSIS

- Bioinformatics analysis and challenges
- Use of genomic data for candidate genes
- Identifying novel functional genes
- Application of bioinformatics software for DNA / RNA analysis
- Computational systems for Modeling and visualization of information

### PLANT SYNTHETIC BIOLOGY AND PLANT TRANSCRIPTOME

- Plant Genome Annotation
- Plant Gene Family Database
- Plant Synthetic Biology

### ARABIDOPSIS

- Genetic Engineering of Arabidopsis
- Cytogenetic of Arabidopsis

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