

World Congress on

Advances in Plant Science And Plant Biology

March 31-April 01, 2025 | Amsterdam, Netherlands

Theme:

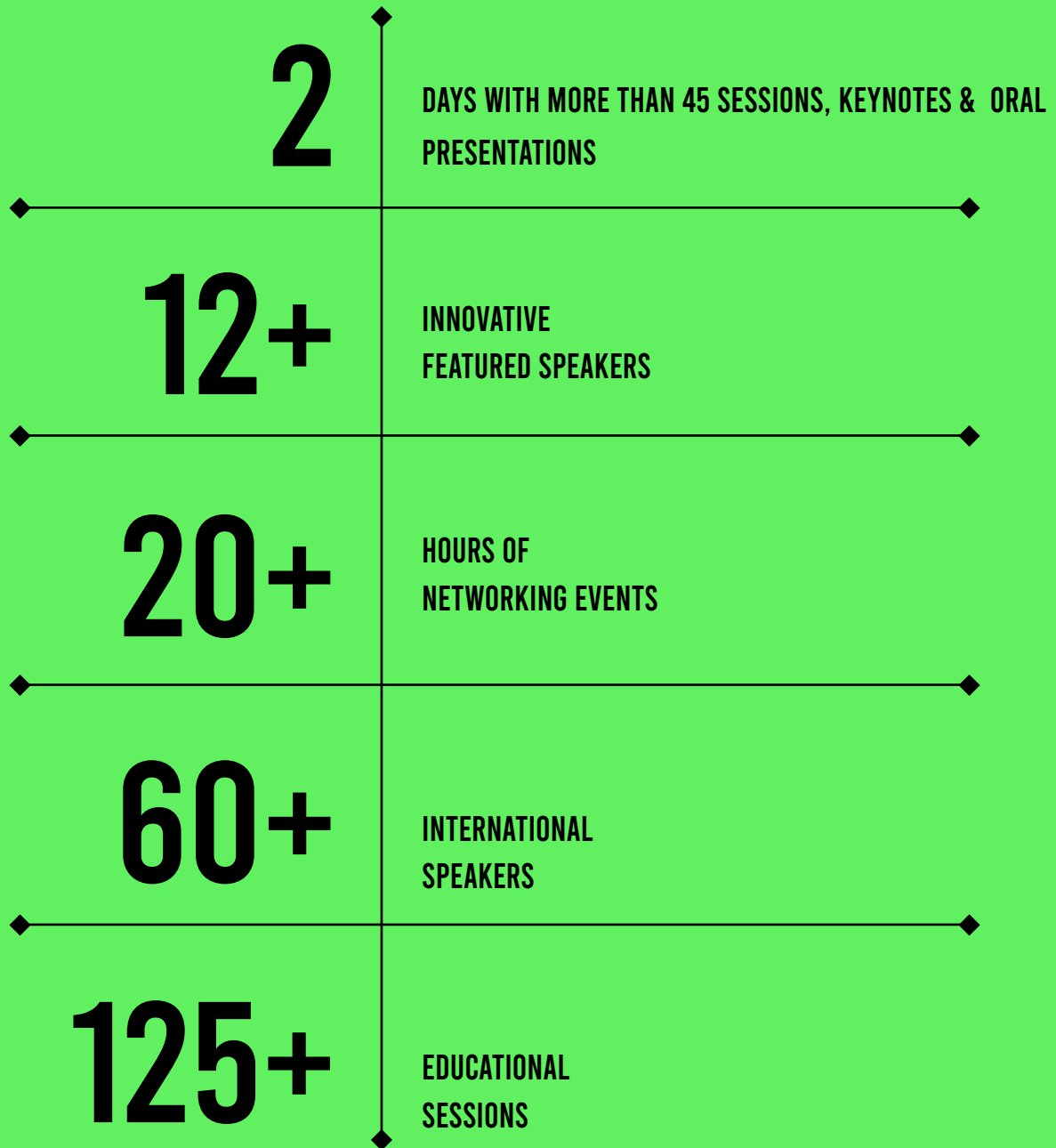
Advancing Plant Science and Biology: Cutting-Edge Technologies and Sustainable Solutions"

Sub-Theme:

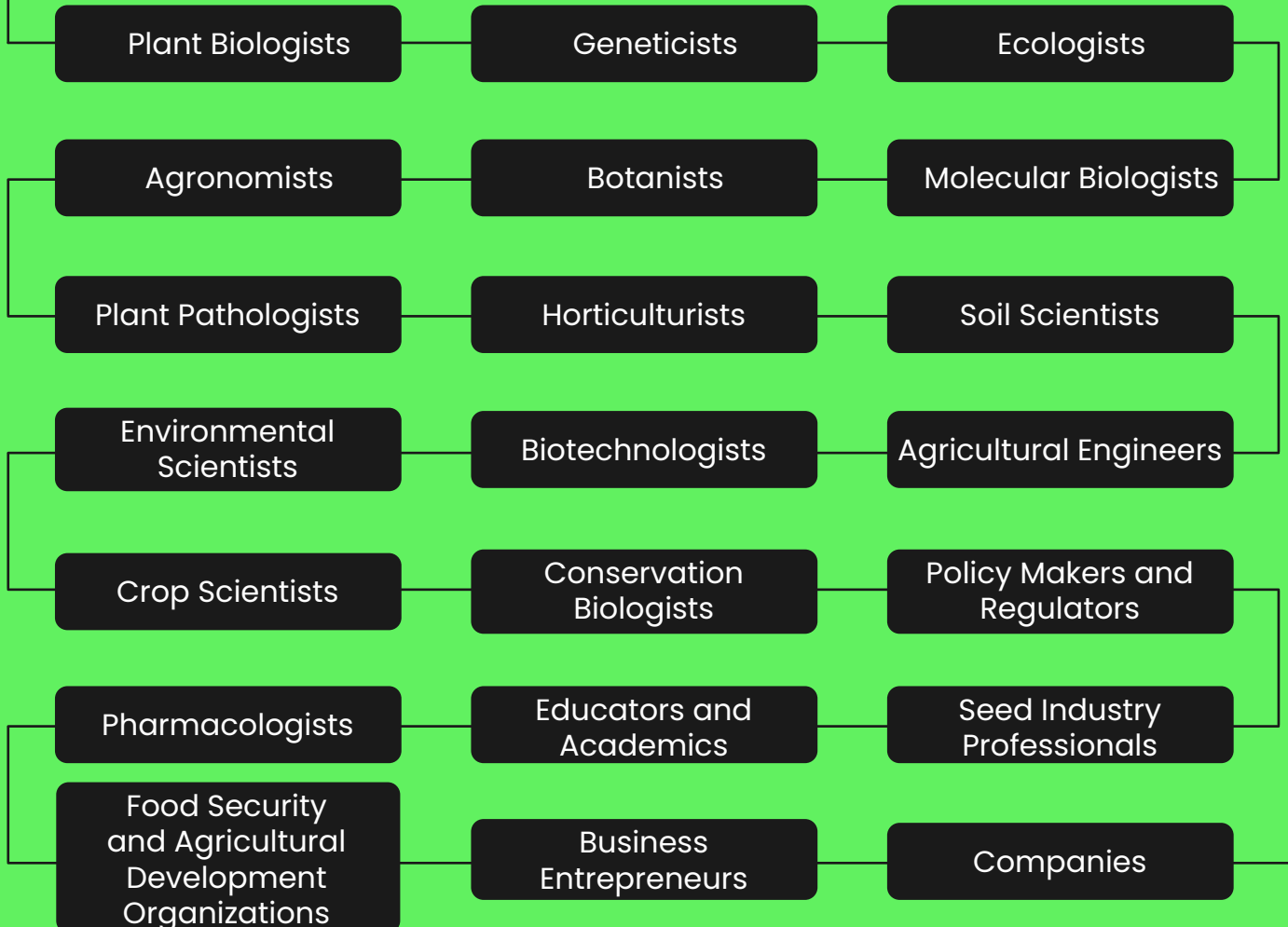
- Innovations in Plant Biotechnology: Pioneering Sustainable Solutions
- Plant Genetics and Genomics: Unlocking the Secrets of Crop Improvement
- Sustainable Agriculture and Food Security: Bridging Science and Practice
- Climate Resilience in Plant Systems: Adapting to Global Changes
- Emerging Technologies in Plant Research: From Bench to Field Applications
- Integrative Plant Biology: Connecting Molecules to Ecosystems
- Plant-Based Biologics: Transforming Medicine and Industry
- Conservation and Biodiversity: Preserving Plant Heritage for Future Generations



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



WHO SHOULD ATTEND?



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.



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.



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.



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.



REGISTER & PARTICIPATE

in

ADV.PSPB 2025

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

TYPES OF ACADEMIC REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF STUDENT REGISTRATIONS

Registration

YIF

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Posters

TYPES OF BUSINESS REGISTRATIONS

Speaker Registration

COMBO A (Registration + 2 Night Accommodation)

COMBO B (Registration + 3 Night Accommodation)

Delegate Registration

TYPES OF ADDITIONAL REGISTRATIONS

Accompanying Person

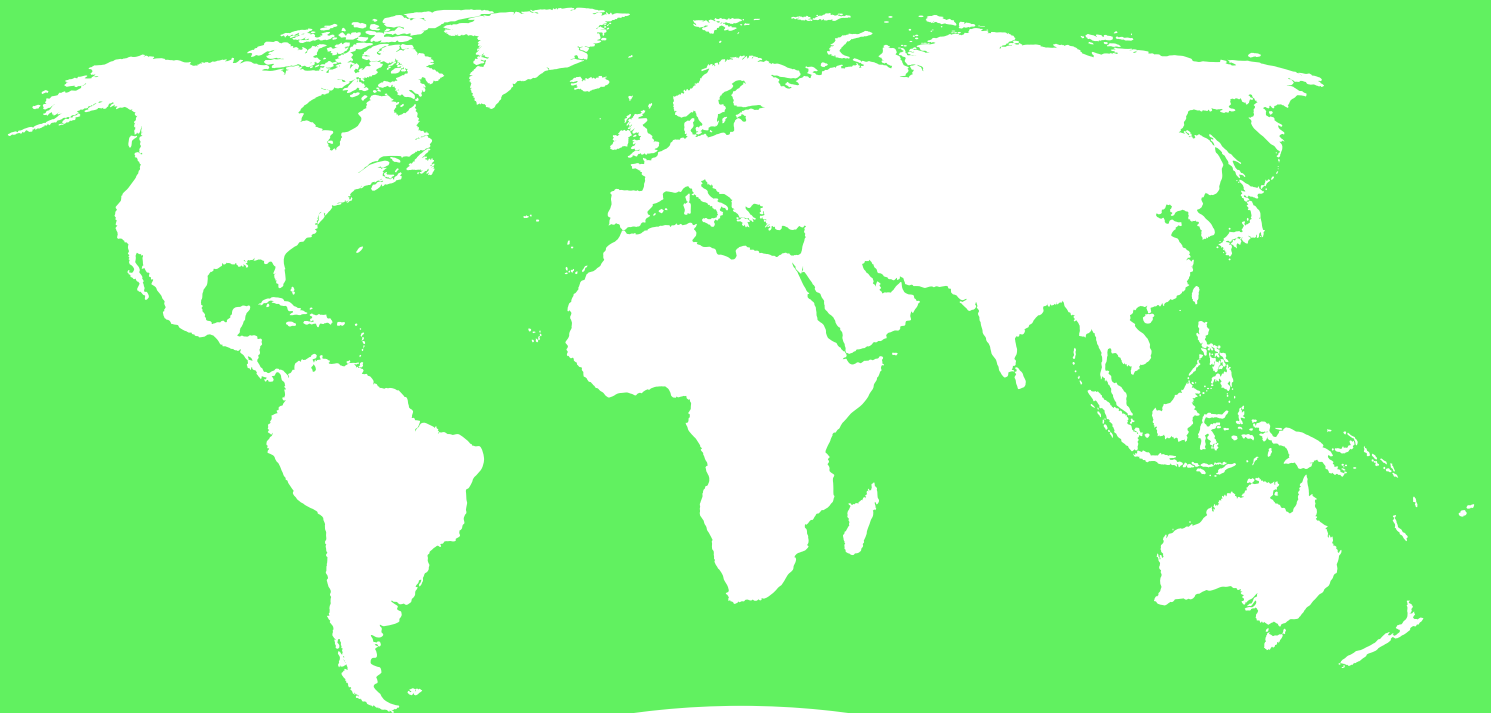
E-Poster

Virtual Presentation

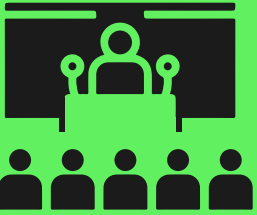
Workshops

Start-Ups

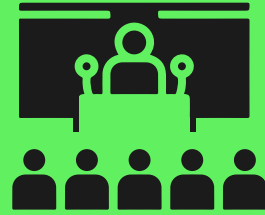
TIME TO
CONNECT



WITH YOUR
PEERS



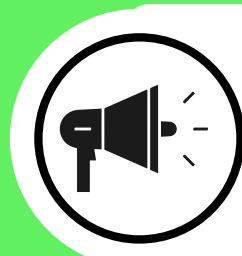
CONCURRENT EDUCATIONAL SESSIONS



MONDAY - MARCH 31, 2025



- Plant Genomics
- CRISPR-Cas9 in Plants
- Plant-Microbe Interactions
- Plant Hormones



- Plant Pathology
- Photosynthesis Efficiency
- Plant Biotechnology

GROUP PHOTO | COFFEE BREAK



- Crop Improvement
- Plant Metabolomics
- Plant Proteomics

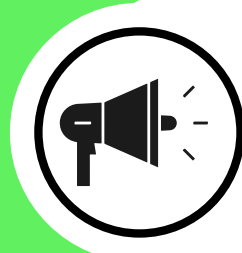


- Sustainable Agriculture
- Plant Breeding
- Plant Cell Signaling

LUNCH BREAK



- Plant Adaptation
- Phytoremediation
- Plant Defense Mechanisms



- Plant Physiology
- Plant Epigenetics
- Plant Nutrient Uptake
- Plant-Insect Interactions

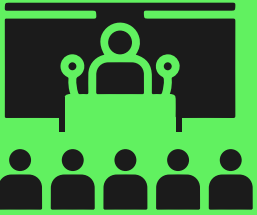
COFFEE BREAK



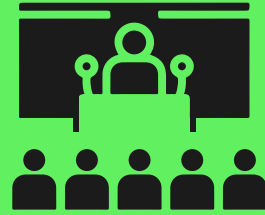
- Transgenic Plants
- Drought Tolerance in Plants
- Plant-Microbiome



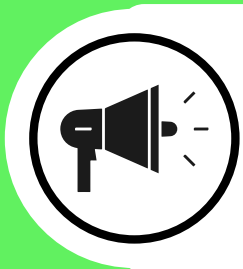
- Plant Tissue Culture
- Soil Plant Interactions
- Plant Genetics
- Climate Change Impact on Plants



CONCURRENT EDUCATIONAL SESSIONS



TUESDAY - APRIL 01, 2025



- Plant Evolutionary Biology
- Plant Disease Resistance
- Plant Developmental Biology



- Herbicide Resistance
- Plant Ecology
- Plant Bioinformatics
- Aquatic Plant Biology

GROUP PHOTO | COFFEE BREAK



- Plant-Microorganism Symbiosis
- Agricultural Biotechnology
- Plant Growth Regulators



- Molecular Plant Pathology
- Plant Reproductive Biology
- Plant-Environment Interactions

LUNCH BREAK



- Photosynthetic Pathways
- Plant Metabolism
- Plant Immunity



- Allelopathy
- Biotic and Abiotic Stress in Plants
- Plant Synthetic Biology

COFFEE BREAK



- Aquatic Plant Biology
- Plant Secondary Metabolites
- Plant Phenomics



- Plant-Insect Interactions
- Plant Systematics and Taxonomy
- Genetic Diversity in Plants
- Plant Biomass and Biofuels

WORLD CONGRESS ON ADVANCES IN PLANT SCIENCE AND PLANT BIOLOGY



March 31-April 01, 2025
Amsterdam, Netherlands

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

Featured Speakers

Presentation Titles

Mohammad Babadoost

University of Illinois, USA

**An Effective Integrated Approach for Managing
Phytophthora blight (*Phytophthora capsici*) of
Cucurbits**

Kathleen L Hefferon

Cornell University, USA

**Multifunctional Plant Virus Nanoparticles for
Targeting Breast Cancer Tumors**

Srinivasa Rao Mentreddy

University of Alabama in Huntsville, USA

**Low temperature plasma: An Emerging Green
Technology for Seed Priming, Improving Plant
Growth and Yield, and Food Safety**

Zhongsheng Guo

Northwestern A & F University, China

**Regulation of plant resource relationship and
Agriculture High-quality development**

Haseen Ullah

Beijing Forestry University, China

**Predicting Climate Change Impacts on Chinese Pine
Biomass Using 3-PG Model**

Abdul Wakeel Umar

Zhejiang University, China

**Ethylene mediates dichromate-induced inhibition
of primary root growth by altering AUX1 expression
and auxin accumulation in *Arabidopsis thaliana*
Characteristics**

Zaid Khan

South China Agricultural University, China

**Novel algal polysaccharide-selenium nanoparticles
mitigate cadmium stress by regulating carbon-
nitrogen metabolism and antioxidant defense
system in rice**

.....

Waqar Khan

South China Agricultural University,China

Transcriptomic analysis reveals differences in purine alkaloids and phenylpropanoid biosynthesis pathways between two tea varieties (*Camellia sinensis* var. *Shuchazao* and *Camellia ptilophylla*)

.....

Chong-Tai Kim

R&D Center, South korea

High Hydrostatic Pressure for the Development of Functional Bioactives from Plant Sources Characteristics

.....

Abrar Hussain

University of Science and Technology, South Korea

Ratiometric Fluorescence and Chromogenic Probe for Trace Detection of Selected Transition Metals Characteristics

.....

Hsiao-Tsun Chien

National Dong Hwa University,Taiwan

Evaluation of asphalt film thickness and heavy metal leaching of oxidizing slag used as an aggregate material in dense-graded asphalt concrete

.....

Monia Anzoman

The University of Queensland, Australia

Genotypic Variability in Wheat Response to Sodcity : Evaluating Growth and Ion Accumulation in the Root and Shoot

.....

EDGAR OMAR RUEDA PUENTE

Universidad de Sonora,Mexico

The role of the Agricultural Engineer as a cultural editor in the longevity of a society: Agrobiotechnological experiences that have been obtained in some of the deserts and arid areas of the world

.....

Pamil Tayal

University of Delhi,India

Identification of novel pathogenicity related genes in *Botrytis cinerea*

.....

Potshangbam Nongdam Puren Meetei

Manipur University,India

Molecular and phytochemical markers based genetic diversity and population structure studies of *Dendrocalamus hamiltonii*, an edible bamboo of Manipur, North-East India

.....

Amal Ghosh

ICAR-Indian Agricultural Research Institute,India

Exploring 'Conservation Agriculture' protocols for sustainable soil health and system productivity in wheat-maize cropping pattern

.....



SPEAKER SLOTS AVAILABLE

.....

Bhavya Bhargava

(CSIR)- Institute of Himalayan Bioresource Technology (IHBT), India

Hydroponic Cultivation Enhances Morpho-Physiological Traits and Quality Flower Production in Three Cultivars of French Marigold (*Tagetes patula* L.)

.....

Abhijeet Das

C.V. Raman Global University (CGU), India

Assessment of Surface Water Quality of River Mahanadi in Odisha, India, Using the Water Quality Index (WQI) and Random Forest (RF) Technique: A Comprehensive Study

.....

Prem Kumar

Institute of Nano Science and Technology, India

Sensing nature's alarm: SnO₂/MXene gas sensor unveils methyl jasmonate signatures of plant insect stress

.....

Mandira Barman

ICAR-Indian Agricultural Research Institute, India

Silicon synergy: unlocking phosphorus for plant growth

.....

Sundip Kumar

G. B. Pant University of Agriculture & technology, India

Advancing Wheat Pre-Breeding: Harnessing Mutation with Classical and Molecular Approaches

.....

Renu Verma

Rama University, India

Exploring genetic variance and heritability of nodulation trait in chickpea minicore lines (*Cicer arietinum* L) growing in inadequate phosphorus soil

.....

Khushboo Choudhury

Guru Gobind Singh Indraprastha University, India

Computational inhibition of S100A8 (calgranulin A) as a potential non-invasive biomarker for rheumatoid arthritis

.....

Mudassir Azeez Khan

Mysore Medical College and Research Institute, India

Plant Based Nutraceutical Formulation Modulates the Human Gut Microbiota and Ferulic Acid Esterase Activity During In Vitro Fermentation

.....

Bikas Basnet

Agriculture and Forestry University

Multi-Model Approach for Optimizing Cold-wave Resilient Maize Selection: Unveiling Genotype-by-Environment Interaction and Predicting Yield Stability

.....



SPEAKER SLOTS AVAILABLE

Iqtidar Hussain

Gomal University

Allelopathic Effects of Sunflower (*Helianthus annuus* L.) on Weed Management in Maize (*Zea mays* L.) Under Climate Change Conditions

Muhammad Zeshan Haider

University Of Punjab

Genetics Aspect of Vitamin C (Ascorbic Acid) Biosynthesis and Signaling Pathways in Fruits and Vegetables Crops

Khadija Aaliya

Center of Excellence in Molecular Biology

Expression studies of IRI3 gene from *Lolium perene* in Potato cultivar Daimant against low temperature stresses

Chandni Hayat

Abdul Wali Khan University Mardan KPK

Discovery of new flavoglucosides, antiglycation agent, and in silico study of 2-(3,4-dihydroxyphenyl)-7,8-dihydroxy-3-methoxy-4H-chromen-4-one isolated from *Pistacia chinensis*

Naveed Ahmad

Mirpur University of Science and technology (MUST)

Fluorescence spectroscopy based characterization of Flaxseed Oil

Ali Alshahioni

Damascus University

Dehydrin genes allelic variations in some genotypes of local wild and cultivated barley (*Hordeum* L.) in Syria

Jorge Alberto Zavala

University of Buenos Aires

Leaf metabolite content may affect thrips feeding preference in soybean crops

Germildo Juvenal Muchave

Universidade Aberta ISCED

Recent Advances on Plant-based acid-base Indicators

Mokhlesur Rahman

Institute of Tourism

The Inevitability of Tourism in Sustaining Agriculture

Akram Ghaffari

Seed and plant certification and registration institute (SPCRI)

Protein-protein interactions revealed by machine learning algorithms for salt tolerance in rice mutant lines



SPEAKER SLOTS AVAILABLE

Mohammad Reza Naghavi

University of Tehran

The Genetic and Biochemical Secrets Behind Rosa canina's White Petals

OJO Funmilola Mabel

Olusegun Agagu University of Science and Technology

Determining the Elemental Compositions in the trichome of five sampled herbarium species in the genus Solanum (Solanaceae) using SEM-EDS

Ewunetu Tazebew

University of Gondar

Improving Traditional Charcoal Production System for increased livelihoods and lower carbon emissions in subtropical Highlands of Ethiopia

Abera Hailu Degaga

Addis Ababa University

Natural Enemies of the Fall Armyworm (Spodoptera frugiperda Smith) and Comparing Neem Aqueous Extracts with Its Larvae, Gurage Zone, Central Ethiopia

Wedajo Gebre

Haramaya University

Genotype by Environment Interaction and Stability of Drought Tolerant Sorghum [Sorghum bicolor (L.) Moench] Genotypes in Ethiopia

Muez Berhe Gebremedhin

Mekelle University

Insect species dynamics and associated losses in on farm stored sesame (Sesamum indicum L.) seeds in major sesame growing areas in Ethiopia

Derara Sori Feyisa

Ethiopia Institute of Agricultural Research (EIAR)

Wheat yield response to chemical nitrogen fertilizer application in Africa and China: A meta-analysis

Kiros Tsegay Deribew

Raya University

Spatial assessment of Arara-Wejig forest management using SVM geospatial techniques and statistical model: towards sustainable forest management plan

Samuel Pimpong

University of Education

Policy and Advocacy Initiatives for Sustainable Plant Management and Conservation: Bridging Policy and Practice



SPEAKER SLOTS AVAILABLE

GLIMPSES INTO

OUR PAST CONFERENCES



GLIMPSES INTO

OUR PAST CONFERENCES





HONORING DISTINGUISHED SPEAKERS @ OUR PAST CONFERENCES



MEET THE PROFESSOR SESSIONS @ OUR PAST CONFERENCES



YOUNG RESEARCHER SESSIONS

@ OUR PAST CONFERENCES



BOOK LAUNCHES

@ OUR PAST CONFERENCES



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PEERS ALLEY MEDIA CONFERENCES



NETWORKING... CONFERRING... FOSTERING

Attending a Conference isn't all about Learning and Networking



A right choice of conference destination is an important aspect of any international conference and keeping that in consideration, **Adv.PSPB 2025** is scheduled in the Beautiful city Amsterdam'.



Amsterdam Royal Zoo



Dam Square



Art Collections at the Rijksmuseum



De Hoge Veluwe National Park



Jordaan and Amsterdam's Canals



Great Art at the Van Gogh Museum



Hop-On Hop-Off Bus and Boat



Oude Haven, Rotterdam



Oude Kerk's Tower


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