

Peers Alley Media

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World Congress on

Advances in Plant Science And Plant Biology

March 31-April 01, 2025 | Amsterdam, Netherlands

Theme:

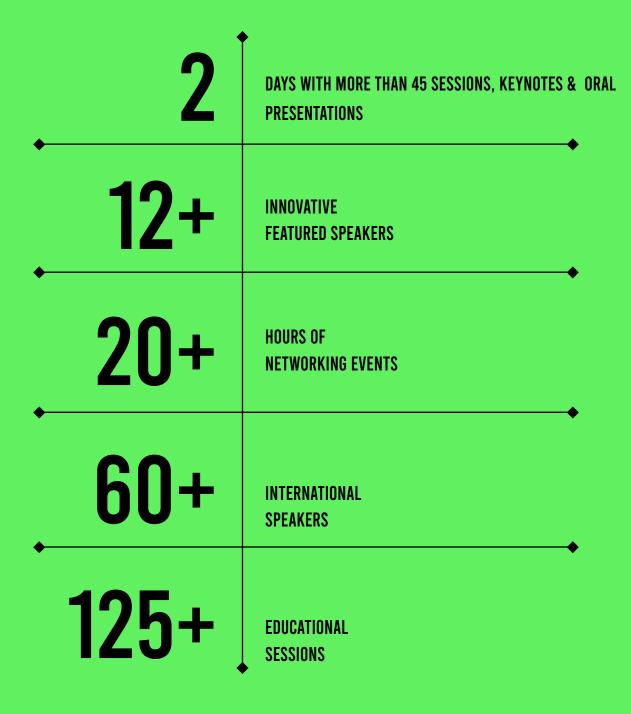
Advancing Plant Science and Biology: Cutting-Edge Technologies and Sustainable Solutions"

Sub-Theme:

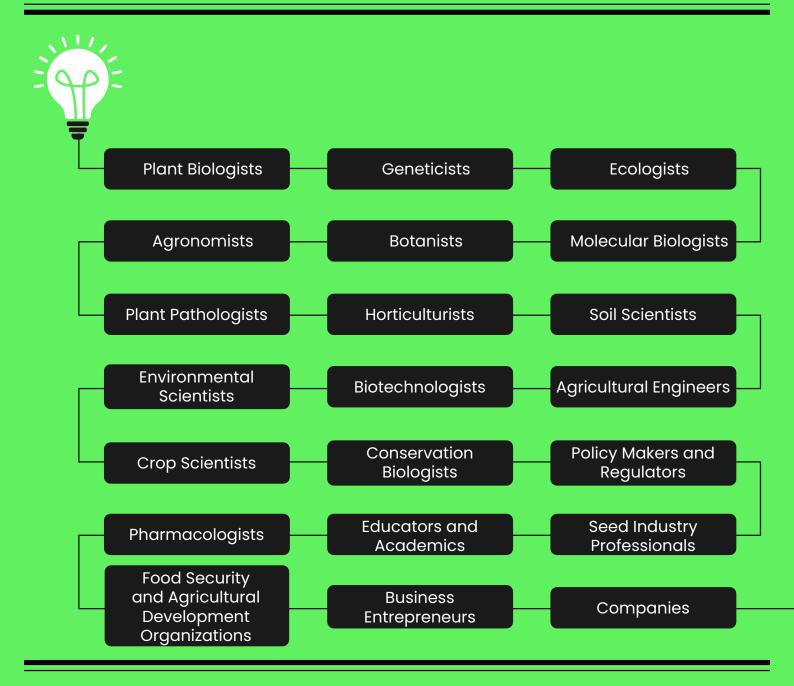
- Innovations in Plant Biotechnology: Pioneering Sustainable Solutions
- Plant Genetics and Genomics: Unlocking the Secrets of Crop Improvement
- Sustainable Agriculture and Food Security: Bridging Science and Practice
- Climate Resilience in Plant Systems: Adapting to Global Changes
- Emerging Technologies 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

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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 I 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 I **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**

ADVANCES IN PLANT SCIENCE AND PLANT BIOLOGY



March 31-April 01, 2025 Amsterdam, Netherlands

https://plantscience.peersalleyconferences.com/

Fea	tui	red	S	oea	ke	rs

Mohammad Babadoost

University of Illinois, USA

Kathleen L Hefferon

Cornell University, USA

Srinivasa Rao Mentreddy

University of Alabama in Huntsville, USA

Muneeb Hassan Hashmi

University of Siegen, Germany

Zhongsheng Guo

Northwestern A & F University, China

Haseen Ullah

Beijing Forestry University, China

Abdul Wakeel Umar

Zhejiang University, China

Zaid Khan

South China Agricultural University, China

Waqar Khan

South China Agricultural University, China

Presentation Titles

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

Multifunctional Plant Virus Nanoparticles for Targeting Breast Cancer Tumors

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

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

Regulation of plant resource relationship and Agriculture High-quality development

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

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

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

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

JoungDu Shin

Gyonggi-Do Agricultural Research & Extension Services, South Korea

Predicted cumulative plant major nutrients in the soil incorporated with the microbial acidified biochar pellets using Sigmoid growth curve and greenhouse gas emissions

Prescilla LAMBERT

Université des Antilles, France

Extract from Sargassum algae, a promising resource of secondary metabolites with antibacterial properties

Rodrigo Reis de Moura

Brazilian Nuclear Energy Commission, Brazil

Environmental biomonitoring studies applying the k0-NAA at the Nuclear Technology Development Centre, Belo Horizonte – Brazil

Thiago Fernandes Coucello da Fonseca

Federal University of Rondônia, Brazil

Automatic measurement of fish from images using convolutional neural networks

Simone Mundstock Jahnke

Federal University of Rio Grande, do Sul, Brazil

The role of non-crop vegetation on the diversity of parasitoids in irrigated rice fields

Donghui Li

Shenzhen University, China

ESG Performance and Top Executive Promotion

Zahra Shams Khoozani

Universiti Malaya, Malaysia

CCNN: Cognitive-Based Convolutional Neural Networks as a Novel Approach in Plant Infection Recognition

Muhammad Zeeshan Basheer

University of Chinese Academy of Sciences, China

Microbial Reduction-Mediated Sulfur Dynamics Govern Arsenic Mobilization and Redistribution in Contaminated Soils

Chong-Tai Kim

R&D Center, South korea

High Hydorstatic 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 Anzooman

The University of Queensland, Australia

Genotypic Variability in Wheat Response to Sodicity: 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

Samuel Israel Levy-Tacher

San Cristóbal de Las Casas, Mexico

Differences in growth and survival of two varieties of Ochroma pyramidale in rustic plantations in southern Mexico

Farangis Nawandish

Ankara University, Turkey

Effects of different doses of iba on ex vitro rooting of microcuttings in the floating perlite bed and growth performance of micro-propagated plants in pyrodwarf pear rootstock

Ahmed Abdulqader Talabani

Shiekh Hamdan bin Rashid Al Maktoum Foundation for Medical and Educational Sciences, UAE

The Effects of Climate Change on the UAE and its Agricultural Sector

Gunindra Nath Chattopadhyay

Seacom Skills University, India

Impact of mangrove vegetation on sequestration of blue-stock carbon in coastal soils

Anupam Adarsh

Bihar Agricultural University, India

Genetic Analysis of Traits in Bitter Gourd Cross Konkan tara × Gangajalee Small

Pamil Tayal

University of Delhi, India

Identification of novel pathogenicity related genes in Botrytis cinerea

Mohammad Afaan Fazili

CSIR- Indian Institute of Integrative Medicine, India

Accumulation of Heavy Metals and its Health Risk Assessment in Vegetables of India

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

Jitendra Bhaurao Durge

Shri Shivaji Agriculture College, India

Innovative Improved Skip Row Sowing Technique (IISRST), for Sole Soybean Crop Under Rainfed & Irrigated Situation, by Using Conventional Sowing Implements, for Sustainable Yield Advantage

S. C. Bhatt

Bundelkhand University, India

Assessment of Drought in Central India; Causes, Effects, and Mitigation: A Review



Amal Ghosh

ICAR-Indian Agricultural Research Institute, India

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

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

Kamala Jayanthi Pagadala Damodaram

ICAR-Indian Institute of Horticultural Research, India

Wild Guava (Psidium cattleianum) Exhibits
Resistance to Tea Mosquito Bug (Helopeltis antonii)

Mahesha B

ICAR-Indian Institute of Horticultural Research, India

Molecular diagnosis, characterization and successful development of integrated management strategies for Tomato leaf curl New Delhi virus (F: Geminiviridae G: Begomovirus) in ridgegourd (Luffa acutangula L.)

A K M Anwaruzzaman

Aliah University, India

Changing Cropping Pattern in the Era of Climate Change: A Study of Farmers' Coping Strategies in North Bengal Plain in India

Gokula Chandar

VEMU institute of technology, India

Dual MIMO antenna using mm-wave frequency for 5G communication



Mudassir Azeez Khan

Mysore Medical College and Research Institute,

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

Naseefa P. K

University of Calicut, India

A comparative account of the sugarcane bagasse and rice husk biochar on the physicochemical and biological properties of soils from heterogeneous agroecosystems

Chinmaya Ranjan Kumar

Utkal University, India

Role of Rural Infrastructure in Crop Diversification: A Case Study in Odisha, India

P M Sabura Begum

Cochin University of Science and Technology (CUSAT), India

Bioactive Nanopaper Solutions: Cinnamon Essential Oil-Infused Packaging for Extended Shelf Life of Coriander Leaves

Pankaj Kumar

SRM Institute of Science and Technology, India

Portfolio Rebalancing Model Utilizing Support Vector Machine for Optimal Asset Allocation

V. S. Korikanthimath

ICAR - Central Coastal Agricultural Research Institute, India

Cardamom

Jyotirmayee Turuk

ICMR-Regional Medical Research Centre, India

Prp8 intein splicing inhibition in Aspergillus fumigatus: Could it be a target for new antimycotics

Sukanya R

CHRIST (Deemed to be University), India

Global Trade and Food Security: Economic Impacts and Strategic Market Solutions

Umair Ashraf

University of Education

Nanoparticles (NPs); role in improving abiotic stress tolerance in plants

Zill-e-Huma Aftab

University of the Punjab

Psidium guajava mediated KCI nanoparticles intervention for Charcoal Rot of Mungbean

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



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 α -glucosides, 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 Alsahioni

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

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

Tarek Mohamed Abdel-Aziz

Military Technical College

Enhancing elevation surface precision through comparative analysis of photogrammetric software using UAV data: a case study in Egypt

Zahra Aghaebrahimi

Islamic Azad University

Simultaneous effect of medicinal plants as natural photosensitizers and low-level las,er on photodynamic inactivationphotosensitizers and low-level las,er on photodynamic inactivation

Nebiyu Mohammed Bucha

Jigjiga Institute of Technology

Hydrologic responses contemplating to Land use Land cover change and water balance of Lake Chamo sub-basin of Ethiopia

Saja Jasem Mohammed

University of Mosul

Developing a Hybrid Pseudo-Random Numbers Generator



Someya Mohsen Zaki

Minia University

Machine learning for human emotion recognition: a comprehensive review

Muhammad Nasir Subhani

University of the Punjab

Accumulation of Heavy Metals and its Health Risk Assessment in Vegetables of India

Semuel Leunufna

Pattimura University

Analyzing the value chain of banana commodity in maluku islands, Indonesia

Sidra Ashraf

The University of Lahore

In Silico Evaluation of Alkanna tinctoria-Derived Phytochemicals as Dual Inhibitors of Acetylcholinesterase and Butyrylcholinesterase: Promising Therapeutic Insights for Alzheimer's Disease

Mahboobeh Naseri

University of torbatheydarieh

Use of solid lipid nanoparticles containing of Zataria multiflora essential oil in increasing the shelf life of Lycopersicum esculentum L

Dessie Gieta Amare

Arba Minch University

Effect of Irrigation Regimes on Nutrient Uptake and Nitrate Leaching in Maize (Zea mays L.) Production at at Birr-Farm, Upper Blue Nile, Ethiopia

MABICKA OBAME Rolf Gael

National Institute of Agronomy and Biotechnology

Influence of geology on soil organic carbon, nitrogen stocks and carbon dioxide emission in Congo Basin: case of Gabonese sedimentary coastal and granitogneissic basin

Dounia Challi

Ibn Tofail University

Impact of Climate Change on the Bioclimate of the Sidi Boughaba Biological Reserve, Morocco

Dounia Challi

Ibn Tofail University

Impact of Climate Change on the Bioclimate of the Sidi Boughaba Biological Reserve, Morocco

Muhammad Ashfaq

University of the Punjab

Evaluation of honglian type hybrid rice performance based on the yield and quality traits in Pakistan

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University of the Punjab

Evaluation of honglian type hybrid rice performance based on the yield and quality traits in Pakistan

Ronica Mukaro

Crop Breeding Institute

Genetic trends in the Zimbabwe's national maize breeding program over two decades



BALDE Abdoulaye

Université de N'Zérékoré

Écologie et mesures pour la sauvegarde de Casearia septandra

YABRE Zakaline

Joseph KI-ZERBO University (UJKZ)

Evaluation of the Antiasthmatic Properties of the Stems and Leaves of Waltheria indica L. (Malvaceae)

Nguekeu Metepong Lagpong Nadiane

University of Douala

Monitoring deforestation using polarimetric radar imagery from Sentinel-1 satellite

Patrice NGATSI ZEMKO

University of Yaoundé 1

Response of cassava (Manihot esculenta Crantz) genotypes to natural infestation by scale insect pest Stictococcus vayssierei Richard (Hemiptera: Stictococcidae)

Snehal Menon

Innovation Centre (RTIC)

Application of Eco-Friendly Cationic Celluloses for Effective Sludge Dewatering



GLIMPSES INTO



GLIMPSES INTO





HONORING DISTINGUISHED SPEAKERS



MEET THE PROFESSOR SESSIONS























YOUNG RESEARCHER SESSIONS























BOOK LAUNCHES

























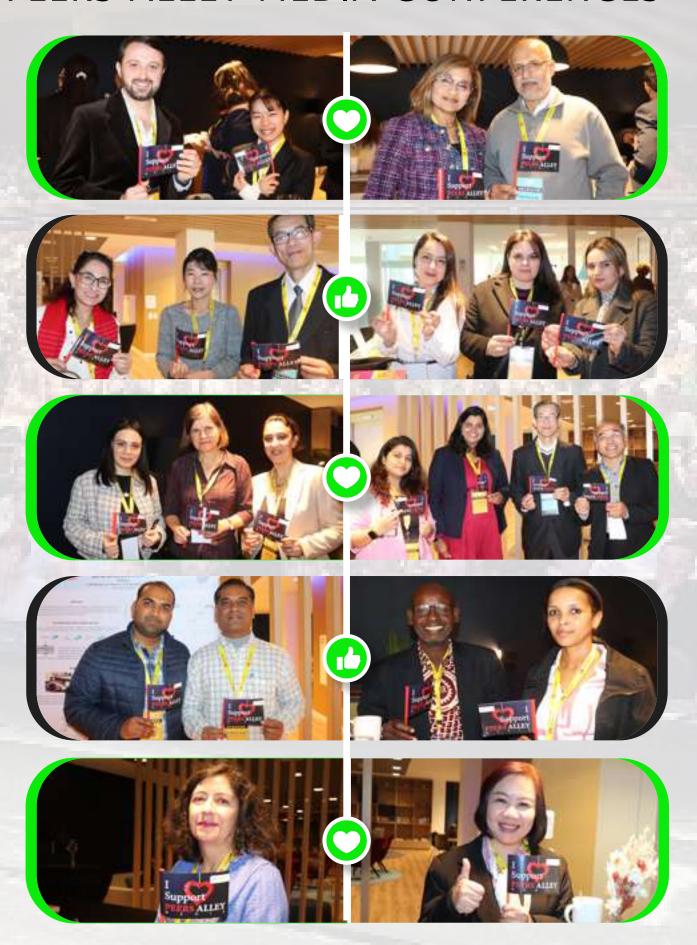






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NETWORKING... CONFERENCING... FOSTERING

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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