



3RD WORLD CONGRESS

ADV. PSPB 2027

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WORLD CONGRESS ON

ADVANCES IN PLANT SCIENCE AND PLANT BIOLOGY

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



2027

JULY 12-13

PARIS, FRANCE

SUB THEMES

- 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

WHY TO ATTEND?

What you take

Attending a plants science conference offers a unique opportunity to connect with leading professionals, explore emerging trends in plant science and plant biology, and gain insights into groundbreaking innovations. It plays a vital role in career development by enhancing clinical knowledge, expanding skill sets, and opening new doors for collaboration and advancement.

125
+



**EDUCATIONAL
SESSIONS**

60
+



**INTERNATIONAL
SPEAKERS**

20
+



**HOURS OF
NETWORKING EVENTS**

12
+



**INNOVATIVE
FEATURED SPEAKERS**

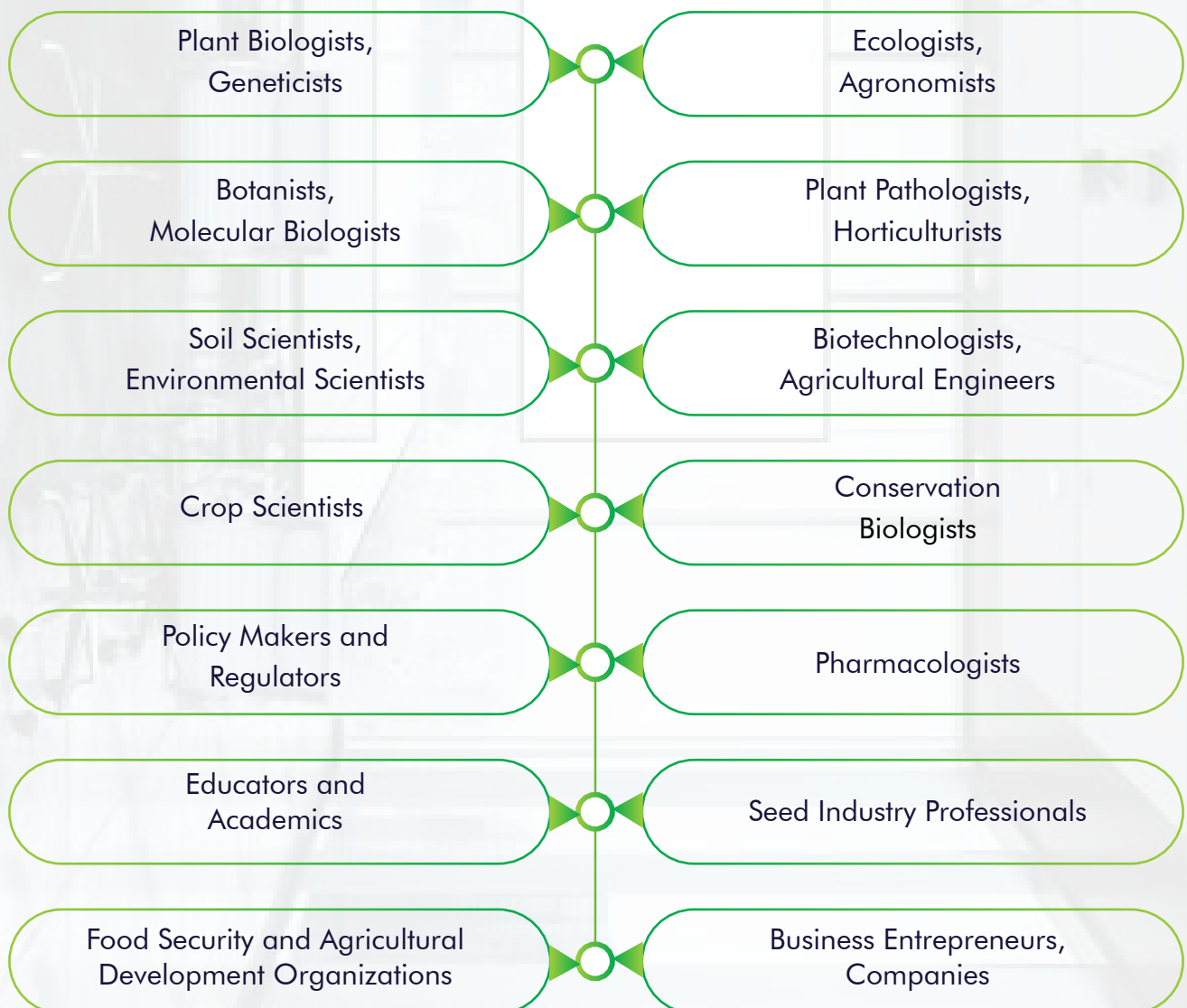
02



**02 Day
Conference**



WHO SHOULD ATTEND?



CARMINE GORGA

President, The Somist Institute, USA



Dear Friends and Colleagues Around the World,

I warmly invite you to participate in the **3rd World Congress on Advances in Plant Science and Plant Biology (Adv. PSPB 2027)**. The conference offers an excellent international platform to present your research, exchange innovative ideas, and build valuable scientific collaborations.

What truly sets Adv. PSPB 2027 apart is its dedicated and highly organized administration. Our team is committed to providing exceptional support before, during, and after the conference to ensure a smooth and rewarding experience for every participant.

If you are “a special case”—whether you require flexibility with scheduling, visa assistance, virtual participation, or other individual support—you will especially appreciate our participant-focused approach. We strive to accommodate your needs and make every attendee feel welcomed and valued.

We look forward to welcoming you to Adv. PSPB 2027!

Regards,

Carmine Gorga

President, The Somist Institute, USA

PETER PAUL BUNYARD

Independent Scientist, UK



Welcome to the 3rd World Congress on Advances in Plant Science and Plant Biology July 12-13, 2027, Paris, France.

We now face enormous challenges, not least global warming which, as part of anthropogenically-induced climate change, is now threatening human survival across the globe. Increased episodes of heat stress, combined with droughts, wild fires, are affecting not just human health, but the agricultural basis of our essential foods. It has become incumbent on the scientific community to address the causes of current climate change and to seek both top-down and grass-roots solutions.

Much of the blame for today's climate change is laid on the emissions of fossil-fuel derived greenhouse gases and especially CO₂. However, we have increasing evidence that the spate of deforestation, especially in the humid tropics, is equally to blame, not just from the combustion and consequent escape of greenhouse gases, but from changes to the hydrological cycle. The high rate of transpiration, especially from angiosperm species, plays an extraordinary role in cooling the planetary surface. Furthermore, the forest-induced hydrological cycle, via atmospheric rivers, affects rainfall across continents and helps to temper climate processes. The energies involved in forest transpiration exceed by two orders of magnitude the solar energy taken up in photosynthesis and the capture of CO₂.

It has become clear that the pursuit of zero-emission policies will not on its own achieve sufficient cooling to offset global warming, now exceeding 1.5°C. In addition to zero-emissions, we need urgently to recover tropical rainforests, combining such regeneration with carefully-managed agroforestry. Grass-roots, even indigenous, knowledge, with good science must come to the fore in order to bring about an intelligent response and action.

This conference, with experts in Plant Science and Plant Biology, with special reference to the important role that plants play in cooling the surface and bringing about a sustainable hydrological cycle, will focus on the solutions and methodology required for forest regeneration and an associated agroforestry. Such a forum will, hopefully, spur the development of research-based solutions for efficient and innovative means of ensuring food safety and security, foster networking, and provide ambiance for researchers, scientists, students, and industry professionals.

Regards,
Peter Paul Bunyard
Independent Scientist, UK

XIANGMING LIU

Central South University of Nationalities, China



Welcome to the 3rd World Congress on Advances in Plant Science and Plant Biology July 12-13, 2027 Paris, France

It is my great pleasure and privilege to welcome you to the **3rd World Congress on Advances in Plant Science and Plant Biology**, taking place in the beautiful city of **Paris, France**.

As the global population continues to grow, the demand for sustainable, science-driven solutions in agriculture, plant science, and food systems has never been greater. Today, agriculture is no longer business as usual. The increasing impact of climate change, environmental degradation, and evolving food security challenges calls for innovative, climate-smart approaches that promote sustainable production while preserving our natural resources. Advances in plant science and plant biology continue to play a pivotal role in addressing these global challenges by driving innovation, improving agricultural productivity, and enhancing the quality of life for communities around the world.

This congress brings together leading researchers, scientists, academicians, industry experts, and students from across the globe to exchange knowledge, share groundbreaking research, and foster meaningful collaborations. Covering 54 scientific tracks, the conference provides an exceptional platform to discuss a broad spectrum of topics, including genomics, agronomy, climate change adaptation, soil science, plant microbiomes, phytochemistry, genetics, biochemistry, biotechnology, molecular biology, post-harvest technologies, food processing, and many other emerging areas of plant science and biology.

Through keynote lectures, scientific presentations, interactive discussions, and networking opportunities, we aim to stimulate innovative thinking, encourage interdisciplinary collaboration, and inspire research-based solutions that contribute to sustainable agriculture, food safety, and global food security. Your expertise, ideas, and active participation are essential in advancing scientific discovery and developing practical solutions for the challenges facing agriculture and the environment.

Together, we have the opportunity to expand the frontiers of plant science, strengthen international partnerships, and contribute to a more resilient and sustainable future. I encourage you to engage actively throughout the congress, exchange ideas with fellow participants, and take full advantage of the opportunities this event offers.

On behalf of the Organizing Committee and the Scientific Program Committee, I extend my sincere gratitude for your participation. I wish you a rewarding, inspiring, and memorable experience at the **3rd World Congress on Advances in Plant Science and Plant Biology**, and I hope you enjoy both the scientific program and your time in **Paris**.

Regards,

Xiangming Liu

Affiliation: Central South University of Nationalities, China

PRESENTATION FORUM

01

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.

02

03

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.

04



05

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.



06



07

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.



08

ACADEMIC REGISTRATIONS

BUSINESS REGISTRATIONS

01

Speaker Registration

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Delegate Registration

02

Speaker Registration

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Delegate Registration

STUDENT REGISTRATIONS

Registration

YIF

COMBO A

(Registration +
2 Night Accommodation)

COMBO B

(Registration +
3 Night Accommodation)

Posters

03

ADDITIONAL REGISTRATIONS

Accompanying Person

E-Poster

Virtual Presentation

Workshops

Start-Ups

04



REGISTER & PARTICIPATE

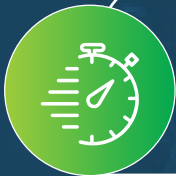
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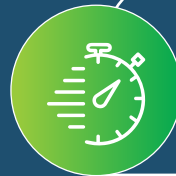
CONCURRENT EDUCATIONAL SESSIONS



MONDAY - JULY 12, 2027

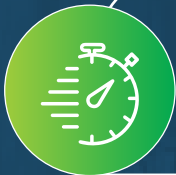


- Plant Genomics
- CRISPR-Cas9 in Plants
- Plant-Microbe Interactions
- Plant Hormones



- Plant Pathology
- Photosynthesis Efficiency
- Plant Biotechnology

GROUP PHOTO | COFFEE BREAK

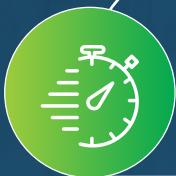


- Crop Improvement
- Plant Metabolomics
- Plant Proteomics



- Sustainable Agriculture
- Plant Breeding
- Plant Cell Signaling

LUNCH BREAK

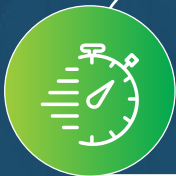


- Plant Adaptation
- Phytoremediation
- Plant Defense Mechanisms



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

GROUP PHOTO | COFFEE BREAK



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



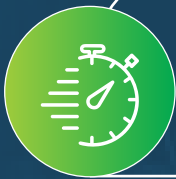
- Plant Tissue Culture
- Soil Plant Interactions
- Plant Genetics
- Climate Change Impact on Plants



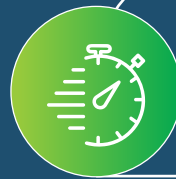
CONCURRENT EDUCATIONAL SESSIONS



TUESDAY - JULY 13, 2027

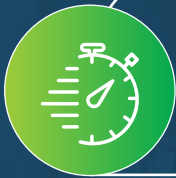


- Plant Evolutionary Biology
- Plant Disease Resistance
- Plant Developmental Biology

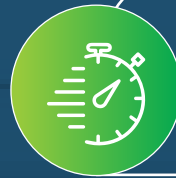


- Herbicide Resistance
- Plant Ecology
- Plant Bioinformatics
- Aquatic Plant Biology

GROUP PHOTO | COFFEE BREAK

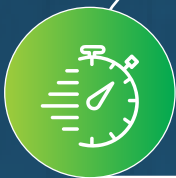


- Plant-Microorganism Symbiosis
- Agricultural Biotechnology
- Plant Growth Regulators



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

LUNCH BREAK

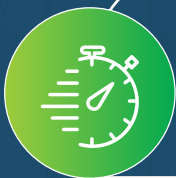


- Photosynthetic Pathways
- Plant Metabolism
- Plant Immunity



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

GROUP PHOTO | 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



GLIMPSES INTO OUR PAST CONFERENCES



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

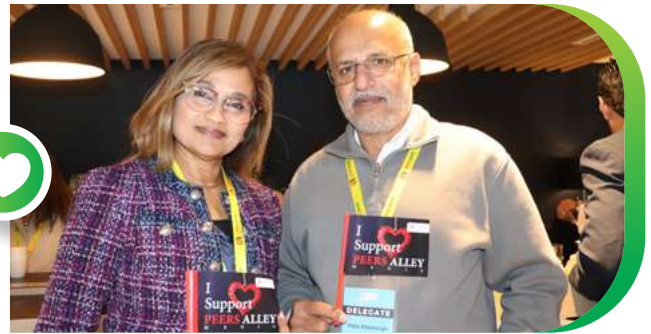


BOOK LAUNCHES

@ OUR PAST CONFERENCES



WE LOVE & SUPPORT PLANT SCIENCE CONFERENCES



NETWORKING CONFERENCING FOSTERING

Attending a Conference isn't all
about Learning and Networking

DISCOVERING

A right choice of conference destination
is an important aspect of any
international conference and keeping
that in consideration, Adv. PSPB 2027 is
scheduled in the Beautiful city "Paris".

PARIS

Paris is one of the world's most iconic and captivating cities, renowned for its rich history, cultural heritage, elegant architecture, and vibrant lifestyle. Located in the heart of the Île-de-France region in northern France, the city is beautifully crossed by the Seine River and surrounded by picturesque boulevards, gardens, and historic landmarks. Often referred to as the "City of Light" and the "City of Love," Paris continues to attract millions of visitors each year with its timeless charm and global influence.

As one of the most visited destinations in the world, Paris welcomes travelers with world-famous attractions such as the Eiffel Tower, Louvre Museum, Notre-Dame Cathedral, Champs-Élysées, and Montmartre. The city's cafés, art galleries, fashion houses, and lively cultural atmosphere make it a center for creativity, innovation, and inspiration.

Paris is also recognized for its multicultural environment, bringing together people from diverse backgrounds and making it one of Europe's leading international cities. The city offers exceptional cuisine, ranging from traditional French delicacies to modern fine dining experiences, reflecting France's worldwide reputation for culinary excellence.

In addition to its cultural significance, Paris is an important global hub for business, education, science, and technology. The city plays a major role in international commerce and sustainable innovation while maintaining its commitment to environmental preservation through its parks, green spaces, and urban sustainability initiatives.



Arc de Triomphe



Champs-Élysées



Eiffel Tower



Le Marais



Louvre Museum



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GLOBAL PLANT SCIENCE AND PLANT BIOLOGY COMMUNITY AND NETWORK

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<https://www.plantsciencecoference.com/>

CONNECT US

