

10th Edition of
Global Congress on
**Plant Biology and
Biotechnology**

“Unveiling the Future of **Plant Biology and
Biotechnology**”

March **26-28**, 2026
Singapore

IN-PERSON:

Village Hotel Changi

1 Netheravon Rd,
Singapore 508502

VIRTUAL:

Greenwich Mean Time (GMT)

**THURSDAY
MARCH 26
2026**

DAY 01 In-person | Singapore Time (SGT)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	Keynote Sessions
11:00-11:30	Coffee Break
11:30-12:10	Keynote Session
12:10-12:50	Oral Sessions
12:50-14:00	Lunch Break
14:00-16:00	Oral Sessions
16:00-16:30	Coffee Break
16:30-17:50	Oral Sessions

**FRIDAY
MARCH 27
2026**

DAY 02 In-person | Singapore Time (SGT)

08:50-09:00	Opening Ceremony
09:00-11:00	Keynote Sessions
11:00-11:30	Coffee Break
11:30-12:50	Keynote Sessions
12:50-14:00	Lunch Break
14:00-16:00	Oral Sessions
16:00-16:30	Coffee Break
16:30-17:10	Oral Sessions

**FRIDAY
MARCH 27,
2026**

DAY 02 | Virtual

Greenwich Mean Time (GMT)

09:30-10:00	AV Check
10:00-11:20	Keynote Sessions
11:20-13:40	Oral Sessions
13:40-16:20	Keynote Sessions

**SATURDAY
MARCH 28
2026**

DAY 03 | Virtual

Greenwich Mean Time (GMT)

09:30-10:00	AV Check
10:00-12:40	Keynote Sessions
12:40-16:40	Oral Sessions

Important Note

The conference follows Singapore Time (SGT) for In-Person and Greenwich Mean Time (GMT) for Virtual Sessions.

When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.

In-Person presentations will take place in the **Sphere 1** Meeting Hall @Village Hotel Changi and Virtual presentations will take place in Zoom Meetings.

Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

Singapore Time (SGT)

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction

Moderators:

Minimol J S, Kerala Agricultural University, India
Sarika Sharma, Banaras Hindu University, India

Chairs:

Mohammad Babadoost, University of Illinois, United States
Mary Cole, The University of Melbourne, Australia

09:00-09:40

Keynote Session

Mohammad Babadoost, University of Illinois, United States

Title: Diagnosing plant abnormality

09:40-10:20

Keynote Session

Mary Cole, Agpath Pty Ltd, University of Melbourne, Australia

Title: Waste streams become resource streams in the circular economy

10:20-11:00

Keynote Session

P E Rajasekharan, ICAR-IIHR, India

Title: Integrated approach to the exploration, collection, characterization, and conservation of RET medicinal plants in India

11:00-11:30

Coffee Break @Foyer | Group Photo

11:30-12:10

Keynote Session

Balagopalan Unni, GEMS Arts & Science College, India

Title: Isolation and functional properties of biomolecules of plants and its application

12:10-12:30

Oral Session

Kokkanti Mallikarjuna, Acharya Nagarjuna University, India

Title: Chlamydomonas CO₂ Concentration Mechanism (CCM) and its sustainable CO₂ sequestration potential

12:30-12:50

Oral Session

Abbyssinia Mushunje, University of Fort Hare, South Africa

Title: Smallholder farmers adaptive and extent of response strategies to climate change variability impacts in KwaZulu-Natal province of South Africa

12:50-14:00

Lunch Break @Restaurant

14:00-14:20

Oral Session

Khin Mar Cho, Temasek Polytechnic, Singapore

Title: Nutrient profile comparison of leafy vegetables grown in soil, hydroponics, and organic systems

14:20-14:40

Oral Session

Minimol J S, Kerala Agricultural University, India

Title: The seasonal influence and the alterations in microbial and physicochemical parameters of fermented cocoa beans

14:40-15:00

Oral Session

Yeap Wan-Chin, SD Guthrie Technology Centre Sdn Bhd, Malaysia

Title: Post-transcriptional regulation of abiotic stress response by EGRBP42 in oil palm

15:00-15:20

Oral Session

Yu Wang, Northeast Forestry University, China

Title: The *Oplonanax elatus* genome reveals the evolution of a dammaradienol synthase enabling de novo biosynthesis of RK-type ginsenosides

15:20-15:40

Oral Session

Ioana-Catalina Nicolae, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Title: In-vitro multiplication efficiency of *Aronia melanocarpa* 'Alexandrina' with meta-topolin

15:40-16:00

Oral Session

Bhushan Vishal, National University of Singapore, Singapore

Title: Role of Trehalose-6-Phosphate Synthase (TPS) in plant salinity stress tolerance

16:00-16:30

Coffee Break @Foyer

16:30-16:50

Oral Session

Mona Ali Albloushi, Ministry of Municipality, Qatar

Title: Identification of salt tolerance genes in native plants in Qatar to enhance crops production

16:50-17:10

Oral Session

Sarika Sharma, Banaras Hindu University, IndiaTitle: Integrated experimental and computational insights into the phytochemical composition and bioactivities of *Withania somnifera* varieties

17:10-17:30

Oral Session

Nada Al-Najar, Ministry of Municipality, Qatar

Title: Screening for salt tolerance genes in Qatar in native plants

17:30-17:50

Oral Session

Ioana-Catalina Nicolae, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Title: In-vitro conservation of potato germplasm using synthetic seeds

End of Day 1

Singapore Time (SGT)

08:50–09:00 Opening Remarks

Moderators:

Cintha Christopher, University of Kerala, India
Ritu Kumari, Banaras Hindu University (BHU), India

Chairs:

P E Rajasekharan, ICAR-IIHR, India
Rameshkumar K B, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India
Abdul Khalil Gardezi, Colegio de postgraduados en Ciencias Agricolas, Mexico

09:00–09:40

Keynote Session

P E Rajasekharan, ICAR-IIHR, India

Title: From rediscovery to recovery: Integrated ecological, biotechnological, and genetic strategies for conserving *Madhuca insignis*

09:40–10:20

Keynote Session

Rameshkumar K B, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India

Title: Recent advances in phytochemical techniques

10:20–11:00

Keynote Session

Abdul Khalil Gardezi, Colegio de Posgraduados, Mexico

Title: Bacterial consortia promote tomato development and bioremediation in soils with heavy metal pollution

11:00–11:30

11:00–11:30 | Coffee Break @Foyer

11:30–12:10

Keynote Session

Balagopalan Unni, GEMS Arts & Science College, India

Title: Natural plant bio-resources and its medicinal properties

12:10–12:50

Keynote Session

Bhim Pratap Singh, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), India

Title: Toward a circular bioeconomy: Sustainable utilization of mushroom processing residues

12:50-14:00

Lunch Break @Restaurant

14:00-14:20

Oral Session

Carlos Alfonso Orozco Castillo, University of San Carlos, GuatemalaTitle: Genetic variability analysis in maize (*Zea mays L.*) materials for drought tolerance using miRNA molecular markers

14:20-14:40

Oral Session

Cinthy Christopher, University of Kerala, India

Title: The floral headspace volatiles of selected orchids

14:40-15:00

Oral Session

Nisha Sulari Kottearachchi, Wayamba University, Sri LankaTitle: Fragrance in rice (*Oryza sativa L.*) caused by natural mutants and CRISPR/Cas9 mutagenesis

15:00-15:20

Oral Session

Nisha Sulari Kottearachchi, Wayamba University, Sri Lanka

Title: Revealing allelic variations in candidate genes associated with grain yield under salinity stress between two contrasting rice genotypes

15:20-15:40

Oral Session

Sivamathini Rajappa, National University of Singapore, Singapore

Title: Chloride channels play important role in salt tolerance of plants

15:40-16:00

Oral Session

Smitha D G, University of Kerala, IndiaTitle: Gene expression study of iron transporters in *Amaranthus tricolor L.*

16:00-16:30

Coffee Break @Foyer

16:30-16:50

Oral Session

Reshma Rillison R. J, University of Kerala, India

Title: Phytochemistry of the leaves of *Syzygium mundagam* (Bourd.) Chithra headspace, essential oil and cuticular wax chemical profiling

16:50-17:10

Oral Session

Ritu Kumari, Banaras Hindu University (BHU), India

Title: Unveiling the role of Exosome-Like Nanoparticle (ELN) miRNAs in plant-pathogen interaction using the tomato-Fusarium pathosystem

Greenwich Mean Time (GMT)

09:30-10:00 AV Check

Moderators:

Neeraj Bainsal, Chandigarh University, India
Kailash Chand Kumawat, Jacob Institute of Biotechnology and Bioengineering (JIBB), India

Chairs:

Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy services, India
Edgar Omar Rueda Puente, Universidad de Sonora, Mexico

Greenwich Mean Time (GMT)

PRESENTER'S LOCAL COUNTRY TIME

10:00-10:40

15:30-16:10

Keynote Session

Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India

Title: Environmental Health Impact Assessment (EHIA) process for tobacco processing plants

10:40-11:20

12:40-13:20

Keynote Session

Valasia Iakovoglou, Democritus University of Thrace, Greece

Title: FEED4FOOD: Living Labs (LLs) aiming for urban food security

11:20-11:40

19:20-19:40

Oral Session

Liu Yuxin, Nanjing Forestry University, China

Title: Report of pathogen identification and preliminary control technology on fruit rot and leaves blight on *Macadamia ternifolia*

11:40-12:00

18:40-19:00

Oral Session

Duy Quang Nguyen, Deakin University, Vietnam

Title: *Fusarium* spp. as soilborne pathogens in black pepper plantations in the central highlands in Vietnam and a sustainable remedy to control the problem

12:00-12:20

17:30-17:50

Oral Session

K R Aneja, Kurukshetra University, India

Title: Biological control of weeds: Strategies, current status and future prospects of mycoherbicides

Greenwich Mean Time
(GMT)PRESENTER'S LOCAL
COUNTRY TIME

12:20-12:40

17:50-18:10

Oral Session

Kailash Chand Kumawat, Jacob Institute of Biotechnology and Bioengineering (JIBB), India

Title: Emerging bio-inoculants: An eco-smart strategy for mitigating biotic and abiotic stresses under changing climatic conditions

12:40-13:00

18:10-18:30

Oral Session

Neeraj Bainsal, Chandigarh University, India

Title: From data to discovery: Artificial Intelligence (AI) in plant biology

13:00-13:20

18:30-18:50

Oral Session

Shambhavi Srivastava, Vellore Institute of Technology, IndiaTitle: Dual-purpose biotechnology from the sea: Bioethanol production and heavy metal remediation using *Ulva lactuca*

13:20-13:40

16:20-16:40

Oral Session

Mohammad Kamal Abhary, Taibah University, Saudi Arabia

Title: Physical and biochemical stimulants of crop performance

13:40-14:20

08:40-09:20

Keynote Session

Srinivasa Rao Mentreddy, Alabama A&M University, United StatesTitle: Developing Virginia mountain mint (*Pycnanthemum virginianum*): As a commercial crop in Alabama, USA

14:20-15:00

07:20-08:00

Keynote Session

Bijayalaxmi Mohanty, National University of Singapore, Singapore

Title: Plant systems biology: Application to rice for understanding drought stress response mechanism during vegetative, reproductive and grain-filling stages

Greenwich Mean Time
(GMT)PRESENTER'S LOCAL
COUNTRY TIME

15:00-15:40

08:00-08:40

Keynote Session

Edgar Omar Rueda Puente, Universidad de Sonora, Mexico

Title: Functional medicine and the agronomic engineer: What it is and how to influence in a society after a pandemic

15:40-16:20

08:40-09:20

Keynote Session

Alok Kumar, California State University, United States

Title: Genomic dissection of developmental control in brown and yellow-green algae

Greenwich Mean Time (GMT)

09:30-10:00

AV Check

Moderator:**Aparna Gunjal**, Dr. D.Y. Patil, Arts, Commerce and Science College, India**Chair:****J C Tarafdar**, Indian Agricultural Research Institute, IndiaGreenwich Mean Time
(GMT)PRESENTER'S LOCAL
COUNTRY TIME

10:00-10:40

15:30- 16:10

Keynote Session

J C Tarafdar, Indian Agricultural Research Institute, India

Title: Mycoprotein nanoparticles for sustainable agricultural production

10:40-11:20

18:40-19:20

Keynote Session

Siti Nor Akmar Abdullah, Universiti Putra Malaysia, MalaysiaTitle: Effective mitigation by *Pseudomonas aeruginosa* and a specialized organic fertilizer against early ganoderma boninense infection in oil palm

11:20-12:00

18:20-19:00

Keynote Session

Didier Lesueur, CIRAD - The Alliance CIAT & Bioversity - Deakin University, Vietnam

Title: What key scientific and technical barriers hinder farmers from fully embracing the benefits of commercial biofertilizers

12:00-12:40

17:30-18:10

Keynote Session

Susmita Shukla, Amity University, India

Title: Growing green futures: Plant tissue culture, micropropagation, and bioplastics for sustainable horticulture

12:40-13:00

18:10-18:30

Oral Session

Aparna Gunjal, Dr. D. Y. Patil Arts, Commerce & Science College, India

Title: Vegetable wastes into value-added product: Bioplastics

Greenwich Mean Time
(GMT)PRESENTER'S LOCAL
COUNTRY TIME

13:00-13:20

21:00-21:20

Oral Session

Zhe Liang, Biotechnology Research Institute (BRI) of the Chinese Academy of Agricultural Sciences (CAAS), China

Title: Landscape and m6A post-transcriptional regulation of crop proteome

13:20-13:40

18:50-19:10

Oral Session

Akila Chandra Sekhar, Yogi Vemana University, India

Title: Random forest learning-assisted genome-wide association analysis of compact foxtail millet germplasm for biotic, abiotic, and nutritional traits

13:40-14:00

19:10-19:30

Oral Session

Akhilesh Kumar, Meta Crop Agri Pvt. Ltd, India

Title: High-altitude, market-driven iceberg lettuce supply chain model for QSRs: A case of Meta Crop Agri Pvt Ltd, India

14:00-14:20

15:00-15:20

Oral Session

Gloria De Mori, University of Udine, Italy

Title: Dissecting the polygenic basis of Psa resistance in tetraploid kiwifruit

14:20-14:40

18:20-18:40

Oral Session

Mohammad Kamil, Lotus Holistic Health Institute, United Arab Emirates

Title: Quality control and standardization of medicinal and aromatic plant

14:40-15:00

19:40-20:00

Oral Session

Adkham N. Abdullaev, Uzbekistan Academy of Sciences, Uzbekistan

Title: In-vitro propagation of grapevine shoots and its molecular analysis

Greenwich Mean Time
(GMT)PRESENTER'S LOCAL
COUNTRY TIME

15:00-15:20

11:00-11:20

Oral Session

Juan A. Negron-Berrios, Inter-American University of Puerto Rico - Barranquitas Campus, Puerto Rico

Title: Molecular mechanisms of plant stress induced by toxic heavy metals

15:20-15:40

11:20-11:40

Oral Session

Satya S S Narina, Virginia State University, United States

Title: Rare and under-cultivated vegetable crops for livestock and human health

15:40-16:00

10:40-11:00

Oral Session

Remya Mohanraj, Houston City College, United States

Title: Green biosensing: Plant enzyme-based technologies for environmental monitoring and remediation

16:00-16:20

09:00-09:20

Oral Session

Priti Saxena, California State Polytechnic University, United States

Title: Functional contribution of PSY1 and SIFSR to fruit quality variation under organic cultivation

16:20-16:40

11:20-11:40

Oral Session

Martha Cecilia Guillen Murrieta, Camposol SA, PeruTitle: *In-vitro* establishment of 'Colt' cherry rootstock from two vegetative tissues

Important Note

The conference follows Singapore Time (SGT) for In-Person and Greenwich Mean Time (GMT) for Virtual Sessions.

When the program refers to Local Timings, it means that the timing mentioned is based on the time zone of the presenter's country.

In-Person presentations will take place in the **Sphere 1** Meeting Hall @Village Hotel Changi and
Virtual presentations will take place in Zoom Meetings.

Please remain accessible in the hall or on Zoom throughout the day as there could be minor program adjustments due to technical issues or presenter no-shows.

End Note

Notes

WE WISH TO MEET YOU AGAIN AT OUR UPCOMING EVENT

11th Edition of
**Global Congress on
Plant Biology and Biotechnology**
March 2027 | Singapore | Hybrid Event
<https://plantbiologyconference.com/>

A stylized orange line-art illustration of the Singapore skyline, featuring the Marina Bay Sands, Esplanade - Theatres on the Bay, and the Singapore Flyer. The illustration is positioned at the bottom of a large orange semi-circle that dominates the lower half of the page. A green four-pointed star is located on the right side of the semi-circle's upper edge, and an orange four-pointed star is on the left side of the bottom edge.

SINGAPORE

Questions? Contact

Phone: +1 (702) 988-2320 | Whatsapp: +1 (779) 429-2143

E-mail: plant-biology@magnusconference.com