



9th Edition of Global Congress on
**PLANT BIOLOGY AND
BIOTECHNOLOGY**

MARCH 27-29, 2025 | SINGAPORE



IN-PERSON:
Village Hotel Changi
1 Netheravon Rd, Singapore 508502



VIRTUAL:
Greenwich Mean Time Zone (GMT)

IN-PERSON - Singapore Time (SGT)

DAY 01	Thursday			MAR 27
		08:00-08:50	Registrations	
		08:50-09:00	Opening Ceremony and Introduction	
		09:00-11:00	In-person Keynote Presentations	
		11:30-12:30	In-person Workshop	
		12:30-16:10	In-person Oral Presentations	
		16:40-17:20	In-person Poster Presentations	
		11:00-11:30 - Coffee Break 13:10-14:10 - Lunch Break 16:10-16:40 - Coffee Break		

IN-PERSON - Singapore Time (SGT)

DAY 02	Friday			MAR 28
		08:50-09:00	Opening Remarks	
		09:00-12:30	In-person Keynote Presentations	
		12:30-15:50	In-person Oral Presentations	
		11:20-11:50 - Coffee Break 13:10-14:10 - Lunch Break 15:50-16:20 - Coffee Break		

VIRTUAL - Greenwich Mean Time (GMT)

DAY 03	Saturday			MAR 29
		08:30-09:00	AV Check	
		09:00-11:40	Virtual Keynote Presentations	
		11:40-12:10	Virtual Poster Presentations	
		12:10-16:30	Virtual Oral Presentations	
		16:30-18:30	Virtual Keynote Presentations	
		18:30-19:30	Virtual Oral Presentations	
		19:30-19:40	Virtual Poster Presentation	

Important Note

- The conference follows Singapore Time (SGT) for In-Person sessions 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 **Cube 3 Room** @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.

Moderator: Poushali Dey, CSIR-National Botanical Research Institute, India

Chairs: Mohammad Babadoost, University of Illinois, United States
Mary Cole, The University of Melbourne, Australia
Bijayalaxmi Mohanty, National University of Singapore, Singapore

Singapore Time (SGT)

In-person	09:00-09:40	Keynote Presentations
Mohammad Babadoost, University of Illinois, United States		
Title: Techniques for identification and managing bacterial and fungal diseases of tomatoes		
In-person	09:40-10:20	
Mary Cole, Agpath Pty Ltd, University of Melbourne, Australia		
Title: Mineralisation of urban waste through composting in agriculture in a circular economy		
In-person	10:20-11:00	
Abdul Khalil Gardezi, Colegio de postgraduados en Ciencias Agrícolas, Mexico		
Title: Evaluation of three tomato varieties (<i>Solanum lycopersicum</i> L.) inoculated with bacteria under stress conditions induced by wastewater and copper sulfate		
Group Photo		
11:00-11:30 Coffee Break @Foyer		
In-person	11:30-12:30	Workshop
Benjamin Hall, LATscan, United States		
Title: LATscan: Expanding horizons in plant biology with laser ablation tomography		
In-person	12:30-12:50	Oral Presentations
Xing-Zheng Wu, Fukuoka Institute of Technology, Japan		
Title: Real-time in-situ monitoring of environmental stress in aquatic plants by dissolved oxygen-quenched fluorescence/materials movement-induced beam deflection		
In-person	12:50-13:10	
Chung Yu Guan, National Taiwan University, Taiwan		
Title: Plants with microbial fuel cells for green energy production, green sustainable remediation, and net zero emissions		
13:10-14:10 Lunch Break @Restaurant		
In-person	14:10-14:30	
Maya P. Stoyneva-Gärtner, Sofia University St. Kliment Ohridski, Bulgaria		
Title: Algal collections in the green era		
In-person	14:30-14:50	
Nedyalka Valcheva, Vocational High School, Bulgaria		
Title: The Rhodopean silivryak (<i>Haberlea rhodopensis</i>), the “resurrection plant” or the flower of orpheus		
In-person	14:50-15:10	
Blagoy Uzunov, Sofia University St. Kliment Ohridski, Bulgaria		
Title: Biotechnological potential of aeroterrestrial algae from the Algal Collection of Sofia University (ACUS)		

Singapore Time (SGT)

In-person	15:10-15:30	
		Teresita Marzioletti Bernardi, University of Concepcion, Chile Title: Reinforcement of alginate beads of microalgal-bacterial immobilized consortia with cellulose nanofibers for aquaculture wastewater treatment
In-person	15:30-15:50	
		Luis Felipe Montoya Rendon, University of Concepcion, Chile Title: Synthesis of hydrogels with controlled nutrient release utilizing fishery industry waste
In-person	15:50-16:10	
		Poushali Dey, CSIR-National Botanical Research Institute, India Title: Diversity in the genus Geranium from Pangi Valley, an unexplored trans Himalayan region along with new records for Himachal Pradesh, Western Himalaya, India
16:10-16:40 Coffee Break @Foyer		

In-person	PP1	(16:40-17:20) Poster Presentations
		Chen Ge, University of Copenhagen, Denmark Linda Hogfeldt, University of Copenhagen, Denmark Title: Ri technology: A Non-GMO approach to enhancing plant stress tolerance
In-person	PP2	
		Juan Jose Rodríguez Fuentes, University of Copenhagen, Denmark Title: Exploring rooting systems of Ri-naturally transformed Oilseed rape (<i>Brassica napus</i>)
In-person	PP3	
		Tomoki Okamura, Toyo University JST SPRING, Japan Title: Iron deficiency in rice under alkaline conditions is induced by the suppression of iron uptake mechanisms and iron transport responses
In-person	PP4	
		Khin Mar Cho, Temasek Polytechnic, Singapore Title: Rooftop vertical aquaponics systems for sustainable urban farming

Moderator: Anukriti Srivastava,
Banasthali Vidyapith, India

Chairs: Srinivasa Rao Mentreddy, Alabama A&M University, United States
Yinghua Huang, Oklahoma State University, United States
Rameshkumar K B, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India

Singapore Time (SGT)

In-person	09:00-10:00	Keynote Presentations
	Srinivasa Rao Mentreddy, Alabama A&M University, United States Title: Development of turmeric (<i>Curcuma spp.</i>) from a little-known crop to high value medicinal crop in Southern USA	
In-person	10:00-10:40	
	Yinghua Huang, Oklahoma State University, United States Title: Decoding the genetic mechanism of host plant resistance to biotic stress	
In-person	10:40-11:20	
	Rameshkumar K B, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India Title: Phytochemical diversity in the flora of the Western Ghats - An investigation through hyphenated mass spectrometric techniques	
11:20-11:50 Coffee Break @Foyer		
In-person	11:50-12:30	
	Bijayalaxmi Mohanty, National University of Singapore, Singapore Title: Promoter architecture and transcriptional regulation of genes upregulated in germination and coleoptile elongation of diverse rice genotypes tolerant to submergence	
In-person	12:30-12:50	Oral Presentations
	Prabhakar D Pandit, Himedia Laboratories Pvt Ltd, India Title: Organic amendments enhance crop yield by improving rhizospheric microbiome diversity	
In-person	12:50-13:10	
	Anukriti Srivastava, Banasthali Vidyapith, India Title: Finding of novel EST Marker associated with grain filling duration and tillering traits in Wheat (<i>Triticum aestivum L.</i>) under terminal heat stress	
13:10-14:10 Lunch @Restaurant		
In-person	14:10-14:30	
	Ahlam Khalofah Mohammad Al Saeed, King Khalid University, Saudi Arabia Title: The ameliorating effects of cinnamic acid-based nanocomposite against salt stress in peppermint	
In-person	14:30-14:50	
	Prakash Rajak, Banaras Hindu University, India Title: Rainfall fluctuation causes invasive plant <i>Prosopis juliflora</i> to adapt ecophysiologically and change phenotypically	

Singapore Time (SGT)

In-person 14:50-15:10**Priyanka Prajapati, Banaras Hindu University, India**

Title: Fungal endophytes promote wheat growth (PBW-343) and enhance salt tolerance through improvement of ascorbate glutathione cycle and gene expression

In-person 15:10-15:30**Mukti Ram Poudel, Tribhuvan University, Nepal**

Title: Performance of Nepalese wheat genotypes under abiotic stress environments

In-person 15:30-15:50**Pannaga Krishnamurthy, National University of Singapore, Singapore**

Title: To be Announced

15:50-16:20 | Coffee Break @Foyer

Moderator: Anirudh Kumar,
Central Tribal University of A.P, India

Chairs: Edgar Omar Rueda Puente, Universidad de Sonora, Mexico
Vijayan Gurumurthy Iyer, Bihar Institute of Public Administration & Rural Development, India

	Greenwich Mean Time (GMT)	Local Timings	
Virtual	09:00-09:40	11:00-11:40	Keynote Presentations
Valasia Iakovoglou, UNESCO Chair Con-E-Ect, International Hellenic University, Greece			
Title: Educating on environmental sustainability			
Virtual	09:40-10:20	15:10-15:50	
Vijayan Gurumurthy Iyer, Bihar Institute of Public Administration & Rural Development, India			
Title: Unsafe chromium pollution and control for the environmental plant biology and biotechnological development			
Virtual	10:20-11:00	15:50-16:30	
P E Rajasekharan, ICAR-IIHR, India			
Title: Securing the future of horticulture: Cryobanking pollen for biodiversity and breeding			
Virtual	11:00-11:40	16:30-17:10	
Susmita Shukla, Amity University, India			
Title: Plant biotechnology: A touchstone for transforming global agriculture			
Virtual	11:40-11:50	19:40-19:50	Poster Presentations
Wu Changlan, South-Central Minzu University, China			
Title: Study related to the active ingredients of tongguang vine injection in the treatment of ovarian cancer			
Virtual	11:50-12:00	13:50-14:00	
Tetiana Maievska, Research and Production Centre, Ukraine			
Title: Fish hydrolysates as effective biostimulants for plants			
Virtual	12:00-12:10	08:00-08:10	
Luis L. Vazquez Moreno, Latin American Center for Agroecological Research, Cuba			
Title: Agroecological transition in the decentralization of agrobiotechnologies in Cuba			
Virtual	12:10-12:30	13:10-13:30	Oral Presentations
Sassan Mohasseb, Smteam GmbH, Switzerland			
Title: Application of bioengineering in construction			
Virtual	12:30-12:50	15:30-15:50	
Valery P. Kalinitchenko, All-Russian Phytopathology Research Institute, Russian Federation			
Title: Biogeosystem technique methodology in plant development condition refinement contributing to safe plant biology and ecosphere expanded reproduction			
Virtual	12:50-13:10	20:50-21:10	
Yifeng Wang, China National Rice Research Institute, China			
Title: Exogenous abscisic acid represses rice flowering via SAPK8-ABF1-Ehd1/Ehd2 pathway			

	Greenwich Mean Time (GMT)	Local Timings
Virtual	13:10-13:30	21:10-21:30
Liuji Wu, Henan Agricultural University, China		
Title: Readthrough events in plants reveal unprecedented plasticity of stop codons		
Virtual	13:30-13:50	19:00-19:20
Moumita Gangopadhyay, Adamas University, India		
Title: Futuristic transformation of herbal industry: Sustainable soilless herb production with hydroponics and aeroponics		
Virtual	13:50-14:10	19:20-19:40
Akila Chandra Sekhar, Yogi Vemana University, India		
Title: Harnessing foxtail millet landraces as a source of novel alleles for yield and nutritional traits		
Virtual	14:10-14:30	19:40-20:00
Anirudh Kumar, Central Tribal University of A.P, India		
Title: Defense priming in rice: An innovative approach to enhance bacterial blight resistance in rice (<i>Oryza sativa</i> L.)		
Virtual	14:30-14:50	20:00-20:20
Parvender Sheoran, ICAR-Agricultural Technology Application Research Institute (ATARI), India		
Title: Aligning agronomic solutions for sustainable agriculture and food systems in salt-affected regions: Field insights and participatory validation		
Virtual	14:50-15:10	19:50-20:10
Adkham N. Abdullaev, Genomics and Bioinformatics Center of the Academy of Sciences, Republic of Uzbekistan		
Title: Study of the effects of growth regulators on the growth and rooting of grape apical meristem in-vitro		
Virtual	15:10-15:30	16:10-16:30
Giovanni DalCorso, University of Verona, Italy		
Title: Abc1kN is involved in glucosinolate metabolism and stress response during seed development in <i>Arabidopsis thaliana</i>		
Virtual	15:30-15:50	16:30-16:50
Sirangelo Tiziana Maria, ENEA-Italian National Agency for New Technologies, Energy and Sustainable Economic Casaccia Research Center, Italy		
Title: Molecular investigations on hemp seeds, a source of nutrients and bioactive compounds		
Virtual	15:50-16:10	10:50-11:10
Martha Cecilia Guillen Murrieta, Camposol SA, Peru		
Title: In-vitro rooting of micropropagated shoots from the clonal rootstock of cherry, colt		

	Greenwich Mean Time (GMT)	Local Timings	
Virtual	16:10-16:30	12:10-12:30	
Vasilia A. Fasoula, Adjunct Research Scientist and Consultant, United States			
Title: Key innovations of prognostic breeding that increase the efficiency of crop genetic improvement			
Virtual	16:30-17:10	10:30-11:10	Keynote Presentations
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			
Virtual	17:10-17:50	12:10-12:50	
Dol Prasad Dhakal, Freelance Researcher, United States			
Title: Optimizing corn production profitability through variable rate irrigation, fertilization, and pesticide application in Texas high plains			
Virtual	17:50-18:30	18:50-19:30	
Manuel Tornel Martinez, Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario, Spain			
Title: Innovation in table grapes: Breeding and biotechnology for the future			
Virtual	18:30-18:50	00:00-00:20	Oral Presentations
K R Aneja, Kurukshetra University, India			
Title: Development of <i>Gibbatrianth mycoherbicide</i> to control <i>Trianthema portulacastrum</i> (Horse purslane), a notorious agricultural weed			
Virtual	18:50-19:10	11:50-12:10	
Priti Saxena, California State Polytechnic University, United States			
Title: Comparative evaluation of cherry-type tomato breeding lines for hydroponic greenhouse production			
Virtual	19:10-19:30	19:10-19:30	
Mildred Osei Kwarteng, Department of Horticulture, Ghana			
Title: Impact of plant structural and architectural traits on tomato fruit quality: A systematic review			
Virtual	19:30-19:40	13:30-13:40	Poster Presentation
Dolores Vargas Alvarez, Universidad Autónoma de Guerrero, Mexico			
Title: Characterization and conditioning of fibers obtained from <i>Agave cupreata</i> and Hemp (<i>Cannabis sativa</i> L.)			

Notes:

Notes:

*We wish to meet you again at our
upcoming event*

10th Edition of Global Congress on

Plant Biology and Biotechnology

March 26-28, 2026 | Singapore | HYBRID EVENT

<https://plantbiologyconference.com/>

Questions? Contact

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