



*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	08:00-08:50	Registrations	MAR 27
		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	08:50-09:00	Opening Remarks	MAR 28
		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	08:30-09:00	AV Check	MAR 29
		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
<b>Mohammad Babadoost, University of Illinois, United States</b>		
Title: Techniques for identification and managing bacterial and fungal diseases of tomatoes		
In-person	09:40-10:20	
<b>Mary Cole, Agpath Pty Ltd, University of Melbourne, Australia</b>		
Title: Mineralisation of urban waste through composting in agriculture in a circular economy		
In-person	10:20-11:00	
<b>Abdul Khalil Gardezi, Colegio de postgraduados en Ciencias Agrícolas, Mexico</b>		
Title: Evaluation of three tomato varieties ( <i>Solanum lycopersicum L.</i> ) 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
<b>Benjamin Hall, LATscan, United States</b>		
Title: LATscan: Expanding horizons in plant biology with laser ablation tomography		
In-person	12:30-12:50	Oral Presentations
<b>Xing-Zheng Wu, Fukuoka Institute of Technology, Japan</b>		
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	
<b>Chung Yu Guan, National Taiwan University, Taiwan</b>		
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	
<b>Maya P. Stoyneva-Gärtner, Sofia University St. Kliment Ohridski, Bulgaria</b>		
Title: Algal collections in the green era		
In-person	14:30-14:50	
<b>Nedyalka Valcheva, Vocational High School, Bulgaria</b>		
Title: The Rhodopean silivryak ( <i>Haberlea rhodopensis</i> ), the "resurrection plant" or the flower of orpheus		
In-person	14:50-15:10	
<b>Blagoy Uzunov, Sofia University St. Kliment Ohridski, Bulgaria</b>		
Title: Biotechnological potential of aeroterrestrial algae from the Algal Collection of Sofia University (ACUS)		

## Singapore Time (SGT)

In-person 15:10-15:30

**Teresita Marzialetti 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 (*Brassica napus*)

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
	<b>Srinivasa Rao Mentreddy, Alabama A&amp;M University, United States</b>	
	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	
	<b>Yinghua Huang, Oklahoma State University, United States</b>	
	Title: Decoding the genetic mechanism of host plant resistance to biotic stress	
In-person	10:40-11:20	
	<b>Rameshkumar K B, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, India</b>	
	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	
	<b>Bijayalaxmi Mohanty, National University of Singapore, Singapore</b>	
	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
	<b>Prabhakar D Pandit, Himedia Laboratories Pvt Ltd, India</b>	
	Title: Organic amendments enhance crop yield by improving rhizospheric microbiome diversity	
In-person	12:50-13:10	
	<b>Anukriti Srivastava, Banasthali Vidyapith, India</b>	
	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	
	<b>Ahlam Khalofah Mohammad Al Saeed, King Khalid University, Saudi Arabia</b>	
	Title: The ameliorating effects of cinnamic acid-based nanocomposite against salt stress in peppermint	
In-person	14:30-14:50	
	<b>Prakash Rajak, Banaras Hindu University, India</b>	
	Title: Rainfall fluctuation causes invasive plant <i>Prosopis juliflora</i> to adapt ecophysiologicaly 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	<b>Keynote Presentations</b>
	<b>Valasia Iakovoglou, UNESCO Chair Con-E-Ect, International Hellenic University, Greece</b>		
	Title: Educating on environmental sustainability		
Virtual	09:40-10:20	15:10-15:50	
	<b>Vijayan Gurumurthy Iyer, Bihar Institute of Public Administration &amp; Rural Development, India</b>		
	Title: Unsafe chromium pollution and control for the environmental plant biology and biotechnological development		
Virtual	10:20-11:00	15:50-16:30	
	<b>P E Rajasekharan, ICAR-IIHR, India</b>		
	Title: Securing the future of horticulture: Cryobanking pollen for biodiversity and breeding		
Virtual	11:00-11:40	16:30-17:10	
	<b>Susmita Shukla, Amity University, India</b>		
	Title: Plant biotechnology: A touchstone for transforming global agriculture		
Virtual	11:40-11:50	19:40-19:50	<b>Poster Presentations</b>
	<b>Wu Changlan, South-Central Minzu University, China</b>		
	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	
	<b>Tetiana Maievska, Research and Production Centre, Ukraine</b>		
	Title: Fish hydrolysates as effective biostimulants for plants		
Virtual	12:00-12:10	08:00-08:10	
	<b>Luis L. Vazquez Moreno, Latin American Center for Agroecological Research, Cuba</b>		
	Title: Agroecological transition in the decentralization of agrobiotechnologies in Cuba		
Virtual	12:10-12:30	13:10-13:30	<b>Oral Presentations</b>
	<b>Sassan Mohaseb, Smtreeam GmbH, Switzerland</b>		
	Title: Application of bioengineering in construction		
Virtual	12:30-12:50	15:30-15:50	
	<b>Valery P. Kalinitchenko, All-Russian Phytopathology Research Institute, Russian Federation</b>		
	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	
	<b>Yifeng Wang, China National Rice Research Institute, China</b>		
	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
<b>Liuji Wu, Henan Agricultural University, China</b>		
Title: Readthrough events in plants reveal unprecedented plasticity of stop codons		
Virtual	13:30-13:50	19:00-19:20
<b>Moumita Gangopadhyay, Adamas University, India</b>		
Title: Futuristic transformation of herbal industry: Sustainable soilless herb production with hydroponics and aeroponics		
Virtual	13:50-14:10	19:20-19:40
<b>Akila Chandra Sekhar, Yogi Vemana University, India</b>		
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
<b>Anirudh Kumar, Central Tribal University of A.P, India</b>		
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
<b>Parvender Sheoran, ICAR-Agricultural Technology Application Research Institute (ATARI), India</b>		
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
<b>Adkham N. Abdullaev, Genomics and Bioinformatics Center of the Academy of Sciences, Republic of Uzbekistan</b>		
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
<b>Giovanni DalCorso, University of Verona, Italy</b>		
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
<b>Sirangelo Tiziana Maria, ENEA-Italian National Agency for New Technologies, Energy and Sustainable Economic Casaccia Research Center, Italy</b>		
Title: Molecular investigations on hemp seeds, a source of nutrients and bioactive compounds		
Virtual	15:50-16:10	10:50-11:10
<b>Martha Cecilia Guillen Murrieta, Camposol SA, Peru</b>		
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	
<b>Vasilía A. Fasoula, Adjunct Research Scientist and Consultant, United States</b>			
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
<b>Edgar Omar Rueda Puente, Universidad de Sonora, Mexico</b>			
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	
<b>Dol Prasad Dhakal, Freelance Researcher, United States</b>			
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	
<b>Manuel Tornel Martinez, Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario, Spain</b>			
Title: Innovation in table grapes: Breeding and biotechnology for the future			
Virtual	18:30-18:50	00:00-00:20	Oral Presentations
<b>K R Aneja, Kurukshetra University, India</b>			
Title: Development of <i>Gibbatrnanth mycoherbicide</i> to control <i>Trianthema portulacastrum</i> (Horse purslane), a notorious agricultural weed			
Virtual	18:50-19:10	11:50-12:10	
<b>Priti Saxena, California State Polytechnic University, United States</b>			
Title: Comparative evaluation of cherry-type tomato breeding lines for hydroponic greenhouse production			
Virtual	19:10-19:30	19:10-19:30	
<b>Mildred Osei Kwarteng, Department of Horticulture, Ghana</b>			
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
<b>Dolores Vargas Alvarez, Universidad Autónoma de Guerrero, Mexico</b>			
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*

10<sup>th</sup> Edition of Global Congress on  
**Plant Biology and Biotechnology**  
March | Singapore | HYBRID EVENT  
<https://plantbiologyconference.com/>

### **Questions? Contact**

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