

FINAL PROGRAM



**16-17**  
MARCH 2023

7<sup>TH</sup> EDITION OF  
GLOBAL CONGRESS ON  
**PLANT BIOLOGY  
AND  
BIOTECHNOLOGY**

**Contact us:**

Ph: +1 (702) 988-2320

Email: [plant-biology@magnusconference.com](mailto:plant-biology@magnusconference.com)

Website: <https://plantbiologyconference.com/>

# DAY 01

## Thursday, March 16



### KEYNOTE PRESENTATIONS

Moderators		Bonnin Marie, University of Corsica, France Hemant Sood, Jaypee University of Information Technology, India
GMT Timings	Local Timings	
09:00-10:00		AV Check
10:00-10:10		Opening Ceremony
10:10-10:50	11:10-11:50	<b>Jose Pueyo, CSIC, Spain</b> Title: Strategies to improve heavy metal tolerance in legumes: Metal-tolerance genes and the role of tolerant rhizobia
10:50-11:30	16:20-17:00	<b>Vijayan Gorumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India</b> Title: Environmental Health Impact Assessment (EHIA) processing investigations during the post covid world for an efficient plant biology and biotechnology towards sustainable development
11:30-12:10	17:00-17:40	<b>Gautam Mukhopadhyay, Derozio Memorial College, India</b> Title: High, medium and low cover gradient of vallisneria spiralis in association with plant species diversity and phenology of five tropical ponds near Kolkata, India

### ORAL PRESENTATIONS

12:10-12:30	20:10-20:30	<b>Yifeng Wang, China National Rice Research Institute, China</b> Title: Abscisic acid promotes jasmonic acid biosynthesis via a 'SAPK10-bZIP72-AOC' pathway to synergistically inhibit seed germination in rice (Oryza Sativa)
12:30-12:50	18:00-18:20	<b>Kannan Chinnaswami, ICAR-Indian Institute of Rice Research, India</b> Title: Role of microbial secondary metabolites in the management of plant diseases
12:50-13:10	18:20-18:40	<b>Muthukrishnan Sathiyabama, Bharathidasan University, India</b> Title: Chitosan based nano particles mediated blast disease management in finger millet plants
13:10-13:30	18:40-19:00	<b>Kailash Narayan Gupta, Jawaharlal Nehru Krishi Vishwa Vidyalaya, India</b> Title: Diagnostics tools for detection of Citrus Yellow Mosaic Virus (CYMV) & Citrus Greening Bacterium (CGB) in sweet orange by multiplex PCR
13:30-13:50	19:00-19:20	<b>Susmita Shukla, Amity University, India</b> Title: Sustainable development via plant cultivation through in vitro system: A change in scenario



13:50-14:10	19:20-19:40	<b>K.R. Aneja, Kurukshetra University, India</b> Title: Treatment/prevention of dental caries through the herbal plants and commercial mouth washes
14:10-14:30	19:40-20:00	<b>Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India</b> Title: An assessment of environmental quality loss function deployment for indian double roller cotton ginning environment
14:30-14:50	17:30-17:50	<b>Mohammad Abhary, Taibah University, Saudi Arabia</b> Title: Variation and diversity within wild moringa peregrina (Forssk) Fiori; seed size and shape
14:50-15:10	20:20-20:40	<b>Hemant Sood, Jaypee University of Information Technology, India</b> Title: Production of bioactive compounds from shoot cultures of endangered and commercially important medicinal plants of Himalayas
15:10-15:30	20:40-21:00	<b>Om Prakash Shukla, JK Paper Ltd, India</b> Title: Subabul (leucaena leucocephala) clonal forestry: A path forward for solution of fibre resource development to paper industries in India
15:30-15:50	21:00-21:20	<b>Timir Baran Jha, Maulana Azad College, India</b> Title: Unfolding chromosomal diversity in cultivated and wild Indian rice
15:50-16:10	21:20-21:40	<b>Rajeev Kumar, Lovely Professional University, India</b> Title: Biocontrol activity of weed leaf extract against phytopathogenic, phytophthora and fusarium fungi
16:10-16:30	21:40-22:00	<b>Tripta Jain, Mohanlal Sukhadia University, India</b> Title: Microbes for sustainable future
16:30-16:50	17:30-17:50	<b>Tiziana M Sirangelo, Council for Agricultural Research and Economy Analysis, Italy</b> Title: Cannabis sativa: Studies and trends based on integrated omics approaches
16:50-17:10	18:50-19:10	<b>Dumitru Manole, SC Sport Agra, Romania</b> Title: The effect of climatic changes – hail and storm on sunflower hybrids – Constanta County, Dobrogea Area, Romania
17:10-17:30	19:10-19:30	<b>Lior Rubinovich, Galilee Research Institute, Israel</b> Title: Development of quinoa (Chenopodium quinoa) as a new multi-purpose crop in Israel
17:30-17:50	18:30-18:50	<b>Bonnin Marie, University of Corsica, France</b> Title: Physiological and biochemical determinant of salt stress tolerance in diploid and tetraploid citrus
17:50-18:10	17:50-18:10	<b>Marouane Ben Massoud, University College Cork, Ireland</b> Title: Mitigation of copper toxicity by calcium and citrate involves the modulation of ascorbate-glutathione cycle and redox status in pisum sativum l. seedlings
18:10-18:30	13:10-13:30	<b>Benoit Van Aken, George Mason University, United States</b> Title: Effects of environmental contaminants on lignin biosynthesis in arabidopsis thaliana: Implication for biofuel production



## KEYNOTE PRESENTATIONS

---

18:30-19:10	19:30-20:10	<b>Carlos Ruiz Garvia, UN Climate Change Global Innovation Hub (UGIH), Germany</b> Title: Transformative innovation on plant-based solutions to satisfy core-human needs can shift the needle on climate change
19:10-19:50	13:10-13:50	<b>Mohammad Babadoost, University of Illinois, United States</b> Title: Challenges on identification and management of bacterial pathogens of plants: A case study of an emerging bacterial disease of cucurbits
19:50-20:30	12:50-13:30	<b>Ravinder Goyal, Agriculture and Agri-Food Canada, Canada</b> Title: A new approach that focuses on the basal immunity mechanism to slow down the development of antimicrobial resistance in plants

---

## ORAL PRESENTATIONS

---

20:30-20:50	21:30-21:50	<b>Ilaria Chiochio, University of Bologna, Italy</b> Title: 1H NMR-based metabolomic approach to study Sorghum bicolor crops in view of smart agriculture applications
20:50-21:10	05:50-06:10	<b>Van Giap Do, National Institute of Horticultural and Herbal Science, Korea, Republic of</b> Title: Introducing apple MdTFL1 gene promotes heading date and causes high-throughput phenotyping in rice

---



# DAY 02

## FRIDAY, MARCH 17



### KEYNOTE PRESENTATIONS

**Moderator** Sofia Pereira, Portuguese Catholic University, Portugal

GMT Timings	Local Timings	
09:30-10:00		<b>AV Check</b>
10:00-10:40	13:00-13:40	<b>Vashchenko Viktor Fedorovich, Rlets State University, Russian Federation</b> Title: The most productive potential as a result of adaptation by the balance of hormones of the initial cell of the apex, secondary initial meristems
10:40-11:20	16:10-16:50	<b>Chellapilla Bharadwaj, ICAR-Indian Agricultural Research Institute, India</b> Title: Morphological and molecular insights into drought tolerance in chickpea
11:20-12:00	16:50-17:30	<b>V Duraipandiyan, Entomology Research Institute, India</b> Title: Antimycobacterial activity of plant molecules from traditional medicinal plants
12:00-12:40	17:30-18:10	<b>Subramanian Sankaranarayanan, Indian Institute of Technology, India</b> Title: The molecular odyssey during pollination

### ORAL PRESENTATIONS

12:40-13:00	19:40-20:00	<b>Gun Mardiatmoko, Pattimura University, Indonesia</b> Title: Sago forest conservation for food security and tackling climate change
13:00-13:20	18:30-18:50	<b>Subbalakshmi Lokanadhan, Tamil Nadu Agricultural University, India</b> Title: Cultivation of traditional rice landraces for human health and food security
13:20-13:40	18:50-19:10	<b>K Narayana Gowda and S Shyamamma, University of Agricultural Sciences (UAS), India</b> Title: Jackfruit ( <i>Artocarpus Heterophyllus</i> Lam)-a multipurpose tree for sustainable development in tropical regions of India and the globe
13:40-14:00	19:10-19:30	<b>B N Hazarika, Central Agricultural University, India</b> Title: Genetic diversity of horticultural crops of North East India and their exploitation potential
14:00-14:20	19:30-19:50	<b>Davabhai Jethabhai Patel, Anand Agricultural University, India</b> Title: Management of phytonematodes in potato in India
14:20-14:40	19:50-20:10	<b>Darshan Panda, ICAR-National Rice Research Institute, India</b> Title: Phytochrome a mediated modulation of photosynthesis, development and yield in rice ( <i>oryza sativa</i> L.) in fluctuating light environment

**Vashchenko Viktor Fedorovich, Rlets State University, Russian Federation**

14:40-15:00 17:40-18:00 Title: Paradigm of adaptation and agro-climatic potential, growth and development of an intact plant by secondary metabolism

**Udari Rathnathunga, University of Sri Jayewardenepura, Sri Lanka**

15:00-15:20 20:30-20:50 Title: The dependency of latex production on sex expression of *Carica Papaya L*

**Muhammad Shahidul Haque, Bangladesh Agricultural University, Bangladesh**

15:20-15:40 21:20-21:40 Title: Soil salinity problem in Bangladesh and its alleviation by morphometric and SSR marker-based screening for salinity tolerance in local and exotic wheat genotypes

**Muhammad Nasir Subhani, University of the Punjab, Pakistan**

15:40-16:00 20:40-21:00 Title: Trichoderma induced resistance against wilt caused by fusarium oxysporum f.sp. Pisi, in pea (*pisum sativum*) through competitive inhibition

**Iqtidar Hussain, Gomal University, Pakistan**

16:00-16:20 21:00-21:20 Title: A proof of parthenium hysterophorus is an invasive and allelopathic weed in our sustainable agriculture under climatic condition of Pakistan

**POSTER PRESENTATION****Muhammad Arshad Ullah, Pakistan Agricultural Research Council, Pakistan**

16:20-16:30 21:20-21:30 Title: Role of clove in human medical history

**ORAL PRESENTATIONS****Mamaruziev Abd McKayum, Institute of Genetics and Plants Experimental Biology, Uzbekistan**

16:30-16:50 21:30-21:50 Title: Introducing new promising varieties of zamin and Duru-Gavkhar-4 into the textile industry and achieving high-quality textile industry products from those varieties

**Nisreen AL Quraan, Jordan University of Science and Technology, Jordan**

16:50-17:10 19:50-20:10 Title: The role of chitosan priming in induction of GABA shunt pathway during wheat (*Triticum Durum L*) Seed germination under salt stress

**Kamalakar Palakurthy, Osmania University, India**

17:10-17:30 22:40 23:00 Title: Will be announced soon

**Sabina Visconti, University of Rome Tor Vergata, Italy**

17:30-17:50 18:30-18:50 Title: STRP, a novel arabidopsis protein with a protective role against abiotic stresses

**Sofia Pereira, Portuguese Catholic University, Portugal**

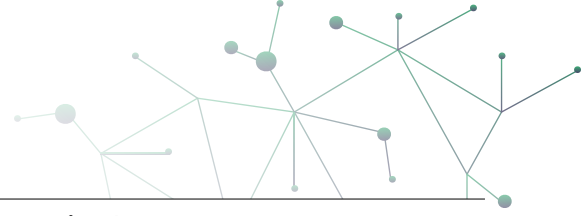
17:50-18:10 17:50-18:10 Title: Use of phosphate-solubilizing bacteria to foster P availability and promote maize growth in P-deficient soils

**Dalia Gamil Aseel, Arid Lands Cultivation Research Institute (ALCRI), Egypt**

18:10-18:30 20:10-20:30 Title: Induction of systemic resistance to tobacco mosaic virus in tomato through foliar application of bacillus amyloliquefaciens strain TBorg1 culture filtrate

**Hajaji Afef, Agricultural Research and Education Institute, Tunisia**

18:30-18:50 19:30-19:50 Title: Citric acid is a crucial compound playing an alleviation role of salt-induced oxidative stress in *Moringa Oleifera*



18:50-19:10 12:50-13:10

**Debatosh Das, University of Missouri-Columbia, United States**

Title: Phosphate regulation of arbuscular mycorrhiza symbiosis in rice

## KEYNOTE PRESENTATIONS

19:10-19:50 12:10-12:50

**Edgar Omar Rueda Puente, University of Sonora, Mexico**

Title: New biotechnologies experiences: Cannabis spp. as a new form to produce under dry arid ando deserts zones

19:50-20:30 16:50-17:30

**Jorge Zavala, University of Buenos Aires, Argentina**

Title: Plant responses to the stink bug diceraeus furcatus attack: A new pest of corn

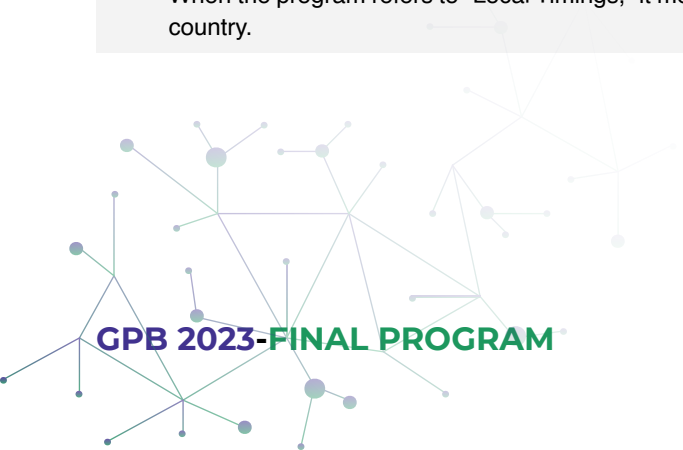
20:30-21:10 21:30-22:10

**Hajri Haska, Agricultural University of Tirana, Albania**

Title: Climatic changes and forest trees and shrubs adaptation in the future time

**Note:**

- Sometimes there may be small changes in the program due to technical problems or presenters not showing up. To avoid missing any presentations, all presenters are asked to be available for the entire day of their presentation.
- When the program refers to “Local Timings,” it means that the timing mentioned is based on the time zone of the presenter’s country.



## UPCOMING CONFERENCES

---

8<sup>th</sup> Edition of Global Conference on  
**Plant Science and Molecular Biology**

September 11-13, 2023 | Valencia, Spain | Hybrid Event  
<https://plant-science-biology-conferences.magnusgroup.org/>

3<sup>rd</sup> Edition of Global Conference on  
**Agriculture and Horticulture**

September 11-13, 2023 | Valencia, Spain | Hybrid Event  
<https://agri-conferences.com/>

9<sup>th</sup> Edition of Global Congress on  
**Plant Biology and Biotechnology**

March 21-23, 2024 | Singapore | Hybrid Event

---

### QUERIES? CONTACT

+1 (702) 988-2320

Or

[plant-biology@magnusconference.com](mailto:plant-biology@magnusconference.com)

### REGISTER TODAY AND GET THE MEETING ID TO JOIN

<https://plantbiologyconference.com/register>