

10<sup>TH</sup> EDITION OF GLOBAL CONFERENCE ON

# PLANT SCIENCE AND MOLECULAR BIOLOGY

5<sup>TH</sup> EDITION OF GLOBAL CONFERENCE ON

# AGRICULTURE AND HORTICULTURE

**September 08-10, 2025**



**IN-PERSON**

Olympia Hotel, Events & Spa  
Carrer Mestre Serrano, 5, 46120 Alboraya  
Valencia, Spain



**VIRTUAL**

Central European Summer  
Time (CEST)

## In-person @Zeus Meeting Hall

DAY 01

Monday

SEP 08

08:00-08:50	Registrations
08:50-09:00	Opening Ceremony and Introduction
09:00-11:00	In-person Keynote Presentations
11:30-12:50	In-person Oral Presentations
14:00-16:00	In-person Poster Presentations

11:00-11:30 Coffee Break

12:50-14:00 Lunch

16:00-16:30 Coffee Break

## Virtual @Zoom Meetings

DAY 01

Monday

SEP 08

08:30-09:00	AV Check
09:00-12:20	Virtual Keynote Presentations
12:20-17:00	Virtual Oral Presentations
17:00-18:20	Virtual Keynote Presentations

## In-person @Zeus Meeting Hall

DAY 02

Tuesday

SEP 09

08:50-09:00	Opening Remarks
09:00-11:00	In-person Keynote Presentations
11:30-16:00	In-person Oral Presentations

11:00-11:30 Coffee Break

12:50-14:00 Lunch

16:00-16:30 Coffee Break

## Virtual @Zoom Meetings

DAY 02

Tuesday

SEP 09

08:30-09:00	AV Check
09:00-11:00	Virtual Keynote Presentations
11:00-15:00	Virtual Oral Presentations
15:00-15:40	Virtual Keynote Presentation
15:40-16:20	Virtual Poster Presentations
16:20-18:20	Virtual Oral Presentations

## In-person @Zeus Meeting Hall

DAY 03

Wednesday

SEP 10

08:50-09:00	Opening Remarks
09:00-10:20	In-person Keynote Presentations
10:20-15:20	In-person Oral Presentations

11:00-11:30 Coffee Break

12:50-14:00 Lunch

15:20-15:50 Coffee Break

## Important Note

- The conference follows Central European Summer Time (CEST) for both In-person and 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 **Zeus Meeting Hall** @Olympia Hotel 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:** Anukriti Srivastava, Banasthali Vidyapith, India**Chairs:** Richard Dick, The Ohio State University, USA

Rajnish Khanna, i-Cultiver, Inc. &amp; Carnegie Institution for Science at Stanford University, USA

## Central European Summer Time (CEST)

In-person	09:00-09:40	<b>Keynote Presentations</b>
<b>Rajnish Khanna, i-Cultiver, Inc. &amp; Carnegie Institution for Science at Stanford University, USA</b>		
Title: Deciphering the mechanism of action of complex agricultural inputs for the future of a nutritious and globally sustainable food system		
In-person	09:40-10:20	
<b>Richard Dick, The Ohio State University, USA</b>		
Title: Shrub-intercropping hydraulic lift: Bio-irrigating crops and driving soil microbial functions in semi-arid West Africa		
In-person	10:20-11:00	
<b>Wen-Yuan Song, IFAS, University of Florida, USA</b>		
Title: Rhomboid-mediated cleavage of the immune receptor xa21 protects grain set and male fertility in rice		
Group Photo		
11:00-11:30   Coffee Break @Foyer		
In-person	11:30-11:50	<b>Oral Presentations</b>
<b>Sassan Mohasseb</b>		
<b>Atiye Meydanchi</b>		
<b>SMTeam GmbH, Switzerland</b>		
Title: Application of bioengineering in construction		
In-person	11:50-12:10	
<b>Xingyu Jiang, Guangdong Ocean University, China</b>		
Title: Structure, function, and regulation of the plasma membrane Na <sup>+</sup> /H <sup>+</sup> antiporter Salt Overly Sensitive 1 (SOS1) in plants		
In-person	12:10-12:30	
<b>Ana Claudia Pacheco, University of Western São Paulo (UNOESTE), Brazil</b>		
Title: Elicitation alters the concentration of carnosic acid and carnosol and increases essential oil production in rosemary plants		
In-person	12:30-12:50	
<b>Anukriti Srivastava, Banasthali Vidyapith, India</b>		
Title: Analyzing the shift from initial to productive tillers in wheat ( <i>Triticum aestivum</i> L.) under terminal heat stress		
12:50-14:00   Lunch @Restaurant		

**Poster Judges:** Srinivasa Rao Mentreddy, Alabama A&M University, USA  
 Rajnish Khanna, i-Cultiver, Inc. & Carnegie Institution for Science at Stanford University, USA

Central European Summer Time (CEST)

In-person	PP1	(14:00-16:00) Poster Presentations
<b>Pavel Matusinsky, Palacký University in Olomouc, Czech Republic</b>		
Title: Efficacy of essential oils against plant pathogens		
In-person	PP2	
<b>Pavel Matusinsky, Palacký University in Olomouc, Czech Republic</b>		
Title: A model for studying plant-endophyte interactions		
In-person	PP3	
<b>Dianfeng Zheng, Guangdong Ocean University, China</b>		
Title: Integrated transcriptome and metabolome analysis of salinity tolerance in response to foliar application of choline chloride in rice ( <i>Oryza sativa</i> L.)		
In-person	PP4	
<b>Naijie Feng, Guangdong Ocean University, China</b>		
Title: Integrative analyses reveal the physiological and molecular role of prohexadione calcium in regulating salt tolerance in rice		
In-person	PP5	
<b>Irina Tvauri, Scientific-Research Center of Agricultural, Georgia</b>		
Title: Bioecological characteristics of natural stands of yew ( <i>Taxus baccata</i> ) in the Batsari Gorge in Georgia		
In-person	PP6	
<b>Jonathan Smet</b>		
<b>Eleni Sioziou</b>		
<b>Aphea Bio, Belgium</b>		
Title: The use of biofungicides as an environmentally friendly strategy for disease management		
In-person	PP7	
<b>Abbas Pazoki, Azad University, Iran</b>		
Title: The effect IAA and GA3 on coumarin and scopoletin in <i>Artemisia dracuncululus</i> L.		
In-person	PP8	
<b>Marija Kostadinović, Maize Research Institute Zemun Polje, Serbia</b>		
Title: Marker assisted breeding for beta carotene rich maize hybrids		
In-person	PP9	
<b>Danijela Ristic, Maize Research Institute Zemun Polje, Serbia</b>		
Title: Metabolites changing in maize inbred lines grain under water deficit condition		

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In-person PP10

**Nani Goginashvili, Scientific-Research Center of Agriculture, Agroforestry Research Division, Georgia**Title: Study of the populations of *Pterocarya fraxinifolia* in Georgia to identify conservation areas

In-person PP11

**Cojocaru-Toma Maria, Nicolae Testemitanu State University of Medicine and Pharmacy, Republic of Moldova**Title: Optimization of polyphenol extraction in aerial parts of *Agrimonia eupatoria* L. and *Cichorium intybus* L

In-person PP12

**Hana Auer Malinska, Jan Evangelista Purkyně University in Ústí nad Labem, Czech Republic**Title: Old descriptions, new evidence: Polyploid hybrids of *mercurialis perennis* and *M. Ovata* revealed by genome size and stomatal traits

In-person PP13

**Yingbin Xue, Guangdong Ocean University, China**

Title: Unregulated GmAGL82 due to phosphorus deficiency positively regulates root nodule growth in soybean

In-person PP14

**Dominik Bleša, Agrotest Fyto, Ltd, Kroměříž, Czech Republic**

Title: Drought resilience in spring barley: The role of genotype, potassium application, and endophyte inoculation

In-person PP15

**Dominik Bleša, Agrotest Fyto, Ltd, Kroměříž, Czech Republic**Title: Endophytic capabilities of rhizoctonia-like fungi in *zea mays*

In-person PP16

**Angelica Ohindovschi, Nicolae Testemitanu State University of Medicine and Pharmacy, Chisinau, Republic of Moldova**

Title: Comparative study of polyphenolic compounds in extracts from galium species

In-person PP17

**El-Shazly Mohamed Hegazy, Cairo University, Egypt**

Title: Modeling the eco-signal interactions in an agricultural field grown with wheat plants under abiotic stressed conditions and silica fertilization using SF\_RE

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In-person

PP18

**Reinaldo Demesio Alemán Pérez, Amazonian State University, Ecuador**

Title: Sustainability assessment of production systems in two communities of Pastaza Canton, Ecuadorian Amazon

In-person

PP19

**Vladimir TODIRAȘ, The State University of Moldova, Republic of Moldova**

Title: The effectiveness of new plant protection means in organic greenhouse pest management

In-person

PP20

**Joanna Le Thanh-Blicharz, Institute of Agricultural and Food Biotechnology - State Research Institute, Poland**

Title: Characteristics of new solid and liquid feed products based on wheat and pea

In-person

PP21

**Yoel Rodríguez Guerra, Amazonian State University, Ecuador**Title: Effect of worm castings on the vegetative development and agricultural yield of *Solanum lycopersicum* var. airton under seedbed and field conditions in the Sucúa Canton, Morona Santiago Province, Ecuadorian Amazon

In-person

PP22

**Elżbieta Wojtowicz, Institute of Agricultural and Food Biotechnology - State Research Institute, Poland**

Title: A new direction in the use of wheat in agricultural processing

In-person

PP23

**Tytus Berbec, Institute of Soil Science and Plant Cultivation - State Research Institute, Poland**

Title: The use of spectral measurements in experiments and agricultural production

In-person

PP24

**Maja Jakšić, Inovacije i razvoj d.o.o., Croatia**

Title: Meta-analysis of biochar effects on plant yield and soil nutrient dynamics across agroecological systems

In-person

PP25

**Ljubiša Bezbradica, Institute of Architecture and Urban & Spatial Planning of Serbia, Serbia**

Title: Planning of wind protection belts in the function of protecting agricultural land from aeolian erosion in lowland areas

16:00-16:30 | Coffee Break @Foyer

End of Day 1 In-person Session

**Moderator:** Rahul Chillawar, Yeshwant Mahavidyalaya, India**Chairs:** Dachang Zhang, Water & Eco Crisis Foundation, USA  
V P S Arora, Kumaun University, IndiaCentral  
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Local Timings

Virtual	09:00-09:40	12:30-13:10	Keynote Presentations
	<b>Vijayan Gurumurthy Iyer, Techno-Economic-Environmental Study and Check Consultancy Services, India</b> Title: Environmental Health Impact Assessment (EHIA) process for agricultural and horticultural processes-case study as ginning of Indian seed-cotton (or kapas)		
Virtual	09:40-10:20	13:10-13:50	
	<b>Shashi Vemuri, Food Hygiene Bureau of Jamaica, India</b> Title: Food allergens and intolerance		
Virtual	10:20-11:00	13:50-14:30	
	<b>V P S Arora, Kumaun University, India</b> Title: Future Indian hortibusiness		
Virtual	11:00-11:40	12:00-12:40	
	<b>Linus Balciauskas, Nature Research Centre, Lithuania</b> Title: Micromammal diversity and health in agricultural landscapes: A focus on body condition		
Virtual	11:40-12:20	15:10-15:50	
	<b>Ashok Chandra Shukla, Independent Scholar, India</b> Title: Eternal Ganga riverine ecosystem: A marvel of self-purification of water		
Virtual	12:20-12:40	12:20-12:40	Oral Presentations
	<b>Caroline van der Weerd, TNO, The Netherlands</b> Title: Beyond the frontrunners: Understanding adoption of digital agricultural technologies		
Virtual	12:40-13:00	11:40-12:00	
	<b>Saida Chaouch, Kasdi Merbah Ouargla University, Algeria</b> Title: Sustainability of farms in drylands; Universal assessment methods and regional specificities		
Virtual	13:00-13:20	14:00-14:20	
	<b>Valery P. Kalinichenko, All-Russian Phytopathology Research Institute, Russian Federation</b> Title: Biogeosystem technique methodology for chemical-soil-biological engineering		
Virtual	13:20-13:40	19:20-19:40	
	<b>Wensheng Fang, Institute of Plant Protection Chinese Academy of Agricultural Sciences, China</b> Title: Soil fumigation prevents soil-borne diseases and its effects on soil microorganisms		
Virtual	13:40-14:00	12:40-13:00	
	<b>Henrietta Farrugia, University of Northampton, United Kingdom</b> Title: Agricultural professionals' perspectives on the adoption of responsible human-centred ai in smart agriculture: A comparative study of the UK and Malta		

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Virtual	14:00-14:20	17:30-17:50
<b>Rahul Chillawar, Yeshwant Mahavidyalaya, India</b>		
Title: Assessment of eutrophication and proliferation of water hyacinth in the Godavari River at Nanded district		
Virtual	14:20-14:40	13:20-13:40
<b>Falek Wahiba, INATAA-University Brothers Mentouri Constantine, Algeria</b>		
Title: Contribution to the phytochemical study, evaluation of the antioxidant and antimicrobial activities of different solvent extracts from the leaves of the <i>Pistacia lentiscus</i> L. plant collected from Eastern Algeria		
Virtual	14:40-15:00	13:40-14:00
<b>Falek Wahiba, INATAA-University Brothers Mentouri Constantine, Algeria</b>		
Title: Assessment of the chemical, antioxidant, and antimicrobial properties of various solvent extracts from wild olive leaves ( <i>Olea europaea</i> subsp. <i>europaea</i> var. <i>sylvestris</i> )		
Virtual	15:00-15:20	13:00-13:20
<b>Koffi Eric Kwadjo, University Nangui Abrogoua, Côte d'Ivoire</b>		
Title: Insect natural enemies of the fall armyworm <i>Spodoptera frugiperda</i> in Côte d'Ivoire		
Virtual	15:20-15:40	09:20-09:40
<b>Luis L. Vázquez, Latin American Center for Agroecological Research (CELIA), Cuba</b>		
Title: The nutritional and immunological functions of the diversity of plants grown in family and community gardens need to be valued		
Virtual	15:40-16:00	07:40-08:00
<b>Omar Belhaj, University of Texas at El Paso, USA</b>		
Title: Morphologic and transcriptomic response of two libyan wheat germplasms in the form of P5CS, and PEPCs genes under salt stress and some nutrient additions		
Virtual	16:00-16:20	08:00-08:20
<b>Alejandro Moreno Resendez, Antonio Narro Autonomous Agrarian University, Mexico</b>		
Title: Application of vermicompost mixed with inert materials during the growth of vegetables and cucurbits in protected systems		
Virtual	16:20-16:40	07:20-07:40
<b>Kailey Lin, Sacred Heart Cathedral Preparatory, USA</b>		
Title: Multi-fluorescent silk as a minimally invasive indicator of surgical recovery		
Virtual	16:40-17:00	07:20-07:40
<b>Ioannis Ladas, The Antiochian House of Studies (AHOS), USA</b>		
Title: From lab to field: Bioethical dimensions of plant genomics and biotechnology		



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Virtual	17:00-17:40	08:00-08:40	Keynote Presentations
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**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	17:40-18:20	08:40-09:20	
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**Dachang Zhang, Water & Eco Crisis Foundation, USA**

Title: Suitaiology: Technical goals and general concept designing for applications in mountain areas

**Moderator: Indira Singh**, Indian Institute for Human Settlements (IIHS), India**Chairs: Srinivasa Rao Mentreddy**, Alabama A&M University, USA  
**Rao Mylavarapu**, University of Florida, USA

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In-person	09:00-09:40	Keynote Presentations
	<b>Srinivasa Rao Mentreddy, Alabama A&amp;M University, USA</b> Title: Inter-and intra-species variation for agronomic, chemical, and anti-diabetic properties among Ocimum species	
In-person	09:40-10:20	
	<b>Rao Mylavarapu, University of Florida, USA</b> Title: Nitrogen release rates from controlled release fertilizers	
In-person	10:20-11:00	
	<b>Michael Davidson, ChucaoTech Asia-Africa, USA</b> Title: The efficacy of nano bubble technology to improve plant production across all crop types	
11:00-11:30   Coffee Break @Foyer		
In-person	11:30-11:50	Oral Presentations
	<b>Jason A. Hedrick, The Ohio State University, USA</b> Title: Farm safety day camp programming for youth	
In-person	11:50-12:10	
	<b>Vladimir TODIRAȘ, The State University of Moldova, Republic of Moldova</b> Title: Development of online spatio-temporal risk prediction model for downy mildew ( <i>Plasmopara viticola</i> ) in grapevine	
In-person	12:10-12:30	
	<b>Munehiro EBATO, National Agriculture and Food Research Organization, Japan</b> Title: Soil physical property assessment of large-scale paddy fields using autonomous robots	
In-person	12:30-12:50	
	<b>Indira Singh, Indian Institute for Human Settlements (IIHS), India</b> Title: Soil bacterial and fungal communities augmented by regenerative agriculture nurturing soil quality and plant health	
12:50-14:00   Lunch @Restaurant		
In-person	14:00-14:20	
	<b>Andriantiaray Solofoniaina Razafimahefa, University of Vakinankaratra, Madagascar</b> Title: Innovative approach to practicing alternative agriculture in Eastern Madagascar	
In-person	14:20-14:40	
	<b>Milena Šenk, Maize Research Institute Zemun Polje, Serbia</b> Title: Microelement profile of soybean forage managed by intercropping and bio-fertilizer use	
In-person	14:40-15:00	
	<b>Zoleka Ncoyini-Manciya, University of KwaZulu-Natal, South Africa</b> Title: Ineffective Agricultural Advisors (AAs) support on climate information and adaptation strategies dissemination in Ugu District, KwaZulu-Natal	

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In-person	15:00-15:20	<b>Kheiria Hcini, University of Tunis El Manar, Tunisia</b> Title: Phytochemical profiling, antibacterial activity and antibiofilm activity of wild Tunisian rosemary ( <i>Rosmarinus officinalis</i> L.) and thyme ( <i>Thymbra capitata</i> L.) essential oils against pathogenic bacteria
In-person	15:20-15:40	<b>Hellen Maina, Deventure Convoy Kenya/Forbes Mentorship Kenya, Kenya</b> Title: Sustainable agriculture: Innovations for a greener future
In-person	15:40-16:00	<b>Thato Moagi Sinah Modirwa North West University, South Africa</b> Title: Effects of climate change on the yield of smallholder maize farmers in the Ngaka Modiri Molema district, North-West province

16:00-16:30 | Coffee Break @Foyer

**Moderator:** Marouane Ben Massoud, University College Cork, Ireland**Chair:** Vijayan Gurumurthy Iyer, Techno-Economic- Environmental Study and Check Consultancy Services, IndiaCentral  
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Local Timings

Virtual	09:00-09:40	09:00-09:40	Keynote Presentations
<b>Costantino Paciolla, University of Bari Aldo Moro, Italy</b> Title: Thermal stress resilience in plant grown under LED lights			
Virtual	09:40-10:20	13:10-13:50	
<b>Vijayan Gurumurthy Iyer, Techno-Economic- Environmental Study and Check Consultancy Services, India</b> Title: Prediction and assessment of environmental health impacts on the Plant Science and Molecular Biology (PSMB) environment			
Virtual	10:20-11:00	13:50-14:30	
<b>Tara Devi Sen, Sardar Patel University, India</b> Title: Harnessing the potential of wild edibles for sustainable agriculture, livelihood and food security			
Virtual	11:00-11:20	11:00-11:20	Oral Presentations
<b>Paola Ganugi, University of Turin, Italy</b> Title: Species proportion modulates biomass allocation, nitrogen dynamics and soil biogeochemistry in rye–vetch intercropping systems			
Virtual	11:20-11:40	14:50-15:10	
<b>Neeraj Shukla, C.S.J.M. University, India</b> Title: Abundance of aero-algal allergens and public health hazards in Pandu River ecosystem			
Virtual	11:40-12:00	17:40-18:00	
<b>Zhiyong Li, China National Rice Research Institute, China</b> Title: Sugar-inducible rice NAC transcription factors regulates carbon partitioning and grain yield			
Virtual	12:00-12:20	18:00-18:20	
<b>Jun Li, Inner Mongolia University, China</b> Title: Sustainable weed management: The effects of applying pre- and post-emergence herbicides to Medicago ruthenica			
Virtual	12:20-12:40	18:20-18:40	
<b>Hong-Bo Liu, Yunnan Academy of Agricultural Sciences, China</b> Title: Integrated metabolomics and transcriptomics analysis of exogenous arginine-mediated sucrose accumulation in sugarcane			
Virtual	12:40-13:00	18:40-19:00	
<b>Yu Cheng, China National Rice Research Institute, China</b> Title: Gossypium purpurascens genome provides insight into the origin and domestication of upland cotton			

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Virtual	13:00-13:20	19:00-19:20	
<b>Jie Huang, China National Rice Research Institute, China</b>			
Title: Heterozygous rice versus Arabidopsis thaliana protein-protein interactome profiling by TDOP-seq			
Virtual	13:20-13:40	16:50-17:10	
<b>Nileema S. Gore, Mahatma Gandhi Mission University, India</b>			
Title: Bacterial non-ribosomal peptides: A sustainable approach for combatting phytopathogenic fungi in agriculture			
Virtual	13:40-14:00	17:10-17:30	
<b>Senaka Lalith Dharmasri Amarathunga, Uva Wellassa University, Sri Lanka</b>			
Title: Assessing adoption of good agricultural practices in protected house vegetable growing farmers in Badulla District, Sri Lanka: Perceptions, challenges, and pathways for sustainable farming			
Virtual	14:00-14:20	13:00-13:20	
<b>Marouane Ben Massoud, University College Cork, Ireland</b>			
Title: Effect of exogenous treatment with Nitric Oxide (NO) on redox homeostasis in barley seedlings ( <i>Hordeum vulgare</i> L.) Under copper stress			
Virtual	14:20-14:40	09:20-09:40	
<b>Hector R. R. Laurence, McLaren holdings SA, Argentina</b>			
Title: Sustainable food supply for a global population			
Virtual	14:40-15:00	14:40-15:00	
<b>Luigi Antonio Pezone, Santa Maria Capua Vetere, Italy</b>			
Title: Sustainability cannot be improvised. It is designed globally			
Virtual	15:00-15:40	09:00-09:40	Keynote Presentation
<b>Ahmad Ali, Florida A&amp;M University, USA</b>			
Title: Development and application of biocontrol mechanism of cucumber fusarium wilt: Harnessing microbiome engineering for sustainable horticultural production systems			
Virtual	15:40-15:50	15:40-15:50	Poster Presentations
<b>María del Mar Hernández, Institute of Grapevine and Wine Sciences (ICVV), Spain</b>			
Title: Evaluation of resistance to foliar diseases of selected genotypes of <i>V. vinifera</i> x <i>Vitis</i> SSP resistant crosses			
Virtual	15:50-16:00	15:50-16:00	
<b>Lorenza Tuccio, CNR IFAC, Italy</b>			
Title: Contribution of fluorescence sensing for the nitrogen status estimation of sunflower ( <i>Helianthus annuus</i> L.)			

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Virtual	16:00-16:10	16:00-16:10	
<b>Brenda Salasini, University of Zambia, Zambia</b>			
Title: First report of colletotrichum and pestalotioid fungi on mango in Zambia: Implications for disease management and regional food security			
Virtual	16:10-16:20	09:10-09:20	
<b>Grecia Hurtado, Universidad UTE, Ecuador</b>			
Title: Mechanisms of calcium distribution and surface uptake in developing strawberry fruit			
Virtual	16:20-16:40	22:20-22:40	Oral Presentations
<b>Xueyuan Di, Institute of Entomology, Guizhou University, China</b>			
Title: Host selection and exploitation of Microplitis manilae: Implications for biological pest control			
Virtual	16:40-17:00	11:40-12:00	
<b>Rafaela Passos Camargo, University of Mogi das Cruzes, Brazil</b>			
Title: Preliminary phylogenomic study of sida sect. malacroideae across neotropical and paleotropical regions			
Virtual	17:00-17:20	17:00-17:20	
<b>Salvina Panebianco, University of Catania, Italy</b>			
Title: Application of Fourier-Transform Infrared (FT-IR) spectroscopy to identify chemical markers for the authentication of the PDO "Pistacchio Verde di Bronte"			
Virtual	17:20-17:40	16:20-16:40	
<b>Kelly Ochuko EGOE, Omfeonix Agritech Ltd, United Kingdom</b>			
Title: Autonomous climate-resilient farming: How allot and renewable energy integration enable net-zero aquaponics at scale			
Virtual	17:40-18:00	17:40-18:00	
<b>María del Mar Hernández, Institute of Grapevine and Wine Sciences (ICVV), Spain</b>			
Title: Evaluation of organic products for the control of foliar diseases in resistant grapevine varieties			
Virtual	18:00-18:20	18:00-18:20	
<b>Jessica Frigerio, University of Milano - Bicocca, Italy</b>			
Title: A step forwards in making Italian biodiversity globally accessible: The NBFC molecular biodiversity platform			

Moderator: Simon Vrečar, GAUDEAMUS, Training, Consulting and Research, Slovenia

Chairs: Srinivasa Rao Mentreddy, Alabama A&M University, USA  
Rao Mylavarapu, University of Florida, USA

Central European Summer Time (CEST)

In-person	09:00-09:40	Keynote Presentations
<b>Srinivasa Rao Mentreddy, Alabama A&amp;M University, USA</b> Title: Low-temperature plasma: A novel technology for improving productivity and seed safety of horticultural crops		
In-person	09:40-10:20	
<b>Chow Kheong Keat Gregory, Ngee Ann Polytechnic, Singapore</b> Title: Beyond high-tech: Finding the right solutions for sustainable vertical farming in Singapore		
In-person	10:20-10:40	Oral Presentations
<b>José Francisco Santiaguillo Hernández, The Autonomous University of Chapingo, México</b> Title: Weed management in husk tomato ( <i>Physalis ixocarpa</i> Brot. Ex Horm.) in <i>Penjamo, Guanajuato. I.</i> diagnosis of weeds and their effect on performance		
In-person	10:40-11:00	
<b>Martin Banov, "N. Poushkarov" Institute of Soil Science Agrotechnologies and Plant Protection, Bulgaria</b> Title: Developing a system for land assessment and improving soil health on farm land		
11:00-11:30   Coffee Break @Foyer		
In-person	11:30-11:50	
<b>Jenny Lindblom, Luleå University of Technology, Sweden</b> Title: Sub-surface heating of farmland to promote early harvest and increase productivity in Northern Sweden		
In-person	11:50-12:10	
<b>Yu Han, Nanjing Institute of Agricultural Mechanization, Ministry of Agriculture and Rural Affairs, China</b> Title: Intelligent tea-picking technology and equipment		
In-person	12:10-12:30	
<b>Simon Vrečar</b> <b>Matej Mertik</b> <b>GAUDEAMUS, Training, Consulting and Research, Slovenia</b> Title: Empowering SMES through data interoperability in digital agriculture: The DIS4SME approach		
In-person	12:30-12:50	
<b>Faizrahman Rahmani, Kabul University, Afghanistan</b> Title: Effects of feeding pomegranate peel silage on feed intake and growth performance of Turkey bred sheep		
12:50-14:00   Lunch @Restaurant		

Central European Summer Time (CEST)

In-person	14:00-14:20	<b>Alene Alemu Tesfamichael, Edelmark AS, Norway</b> Title: Vermicompost-derived liquid organic fertilizers as effective replacements for chemical fertilizers in spinach production
In-person	14:20-14:40	<b>Marjana Zajc, Geological Survey of Slovenia, Slovenia</b> Title: 3D GPR models of agricultural fields for analyzing changing soil conditions
In-person	14:40-15:00	<b>Muhammed D Baldeh, Surex Farms, The Gambia</b> Title: Global advances in agricultural and horticultural sciences
In-person	15:00-15:20	<b>Fatma Abdel-Motaleb Mostafa, Plant Pathology Research Institute, Agriculture Research Center, Egypt</b> Title: The role of artificial intelligence in sustainable agriculture
15:20-15:50   Coffee Break @Foyer		



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## Notes:

### Important Note

- The conference follows Central European Summer Time (CEST) for both In-person and 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 **Zeus Meeting Hall** @Olympia Hotel 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.

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

11<sup>th</sup> Edition of Global Conference on

**Plant Science and Molecular Biology**

September 2026 | Italy | Hybrid Event

<https://plant-science-biology-conferences.magnusgroup.org>

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