

**TENTATIVE**  
PROGRAM

3<sup>rd</sup> Global Congress on

**PLANT BIOLOGY AND  
BIOTECHNOLOGY**



MARCH 11-13, 2019  
SINGAPORE

To Disseminate the Research and Advancements in  
Plant Biology and Biotechnology

## Tentative Program

### Keynote Presentations

**Title: Improving Identification of Plant Pathogens by Molecular Analysis**

Mohammad Babadoost, University of Illinois, USA

**Title: Vertically and horizontally transmitted genetic information in plant::plant and plant::microbe interactions**

Jeff Bennetzen, University of Georgia, USA

**Title: Cullin 3 Plant E3 Ligases: A Perspective on Improving Agricultural Traits by Controlling Protein Stability**

Hanjo Hellmann, Washington State University, USA

**Title: Omics approaches to plant genetics and crop improvement**

Yinghua Huang, Oklahoma State University, USA

**Title: AP-MS and organ growth in plants: from cells to tissues**

Geert De Jaeger, VIB-Ghent University, Belgium

**Title: Applications of plant biotechnology to protect crop plants from fungal infection**

Petr Karlovsky, Georg-August-University Goettingen, Germany

**Title: New table grapes varieties obtained in Spanish breeding program ITUM-IMIDA for the world**

Manuel Tornel Martinez, IMIDA & ITUM, Spain

**Title: Stability of synchronization in the process of biochemical substance exchange in a diffusively coupled ring-like arrangement of cells in plants**

Dragutin T. Mihailovic, University of Novi Sad, Serbia

**Title: Plant tissue culture as a sustainable technology in modern agriculture**

Sandra Perez Alvarez, Instituto Politecnico Nacional, Mexico

**Title: Monitoring of thermal and hydric regime of soils from the Transilvanian Plain during 2008-2016 and predict tendency in the evolution**

Teodore Rusu, University of Agricultural Sciences and Veterinary Medicine, Romania

**Title: Plant Biotechnology: Progress and Prospects**

Sadasivam Sankaranarayanan, Tamil Nadu Agricultural University, India

**Title: Probiotics and prebiotics and their beneficial applications on human and animal health**

Yusuf L. Henuk, University of Sumatera Utara, Indonesia

### Oral Presentations

**Title: Two mechanisms of lincosamide tolerance function as nuclear and plastid markers in higher plants**

Massimo Bosacchi, KWS Gateway Research Center, USA

**Title: Cultivation, Market and Uses of Nepal's Medicinal and Aromatic Plants: Reflections on Local and National Policy**

Joel Heinen, Florida International University, USA

**Title: Prediction of Plant Protein Subcellular Locations**

Xiangjia Min, Youngstown State University, USA

**Title: The Phytophthora RXLR effector Avrblb2 modulates plant immunity by interfering with Ca<sup>2+</sup> signaling pathway**

Zunaira Afzal Naveed, University of Florida, USA

**Title: Rice genome editing: a contribution to climate change mitigation and achievement of food security in Costa Rica**

Marta Valdez-Melara, The University of Costa Rica, Costa Rica

**Title: Plant proteomic responses to signal compounds lipo-chito-oligosaccharide and thuricin**

Sowmyalakshmi Subramanian, McGill University, Canada

**Title: Fibrillar sinteny evolution and viral interactions**

Enrique Castano de la Serna, Centro de Investigacion Cientfica de Yucatan, Mexico

**Title: A novel approach to enhancing grain yield in acid soils prone to extreme water regimes**

Hossein Saberi, University of Western Australia, Australia

**Title: Regeneration strategies in native woody species from disturbed South American dry tropical forests: the of aerial bud bank and soil seed bank**

Sandra Josefina Bravo, National University of Santiago del Estero, Argentina

**Title: Sustainable Food Production in Greenhouses and its Relations to the Environment**

Abdeen Mustafa Omer, Energy Research Institute (ERI), UK

**Title: Plants and radionuclides: from hazard to biotechnology**

Pierre Chagvardieff, CEA, France

**Title: ThaliaDB, a tool for data management and genetic diversity data exploration**

Steinbach Delphine, INRA, France

**Title: Rare and endangered plants: interactions with pollinators and implications for conservation**

Juliana Ordoes Rego, Botanical Gardend of Municipal Parks and Zoobotanic Foundation, Brazil

**Title: Impact of wild boar rooting on a soil seed bank of oak-linden-hornbeam forest in the Bialowieza Forest**

Izabela Sondej, Forest Research Institute, Poland

**Title: How harvest date affect physiological status of *Miscanthus x giganteus* and *Miscanthus* seed-based hybrids cultivated on heavy metal contaminated arable land?**

Szymon Rusinowski, Institute for Ecology of Industrial Areas, Poland

**Title: LED technological possibilities: tool for management of metabolic changes in microgreens**

Giedre Samuoliene, Lithuanian Research Centre for Agriculture and Forestry, Lithuania

**Title: Green algae *Cladophora* in the Crimean hypersaline waters as an ecosystem engineer and valuable resource**

Nickolai Shadrin, Russian Academy of Sciences, Russia

**Title: Probiotic microorganisms in the rhizosphere of agricultural plants**

Nadezhda Verkhovtseva, Lomonosov Moscow State University, Russian Federation

**Title: Comprehensive Approach Of The Decision Esiting Problems Of Protection And Stabilisation Of Water And Soil Resources In Azerbaizen**

Aliiev Z.H. Rans, Institute of Soil Science and Agrochemistry of ANAS, Russia

**Title: In vitro multiplication of plum cultivars (*Prunus domestica* L.)**

Jiri Sedlak, Research and Breeding Institute of Pomology Holovousy Ltd, Czech Republic

**Title: Root morphology, productivity, and photosynthesis of aeroponically grown ice plants (*Mesembryanthemum crystallinum*) with different nutrient spraying intervals**

HE Jie, National Institute of Education, Nanyang Technological University, Singapore

**Title: Status and Futures prospect of biotechnology in Jordan**

Mohamad Shatnawi, Al-Balqa Applied University, Jordan

**Title: Plant Hormones Silent Killers**

Mohamed Ezzat Elbeeh, Umm Al-Qura University, Saudi Arabia

**Title: Strategies for improving artemisinin content in the engineered *Artemisia annua* plant**

Kexuan Tang, Shanghai Jiao Tong University, China

**Title: Trichome formation and insect tolerance in tomato**

Wei Deng, Chongqing University, China

**Title: Hormone Signaling and Alternative splicing in Moso Bamboo Shoot Growth**

Jian Gao, International Centre for Bamboo and Rattan, China

**Title: Evolutionary epigenomics of mangroves reveals the homeostatic role of gene body methylation in stress adaptation**

Tian Tang, Sun Yat-sen University, China

**Title: Researches on the radiation induced non-targeted effects in *Arabidopsis thaliana***

Ting Wang, Chinese Academy of Sciences, China

**Title: Massive Growth of Super Dwarf Rice Plant in A Fully Closed Type Plant Factory for Poly Lactic Acid Production**

Haruhiko Murase, Osaka Prefecture University, Japan

**Title: Enhancing  $\beta$ -Carotene in Maize (*Zea mays* L.) by Genetic Engineering**

Duc-Thanh Nguyen, Vietnam Academy of Science and Technology, Viet Nam

**Title: Physiology and productivity of temperate vegetable crops exposed to sub-lethal heat stress**

Lai Cheng-Hsiang, National Institute of Education, Nanyang Technological University, Singapore

**Title: Towards C4 rice; Overexpression of C4 genes in *Arabidopsis thaliana* and *Oryza sativa* Enhances Photosynthesis, Plant Productivity and Water Use Efficiency**

B C Tripathy, School of Life Sciences, JNU, India

**Title: Defense-related reprogramming in *Sorghum bicolor* against infection by *Burkholderia andropogonis* : a metabolomics study**

Ian Dubery, University of Johannesburg, South Africa

**Title: Importance of Plant Growth Regulators in Table**

S.D. Ramteke, ICAR-National Research Centre for grapes, India

**Title: Studies on effect of herbal extract Samved Fugall (CO<sub>2</sub>) absorbent on Cotton**

H.A. Jambhekar, Vasumitra Life Energies Pvt, India

**Title: Effect of enhanced solar UVB (280-320 nm) radiation morphology, photosynthetic pigment and synthesis bioactive compounds in medicinal plants**

N.Shanthi, Pachaiyappa's College, India

**Title: Cryotherapy: Cryogenic Technology for virus elimination from infected plants**

Ergun Kaya, Mugla Sitki Kocman University, Turkey

**Title: Long non-coding RNAs Regulatory Effects under Salinity Stress in Barley**

Elif Karlik, Istanbul University, Turkey

**Title: Biochemical and Molecular Footprints of Reestablishment of Desiccation Tolerance in Germinated Seeds**

Subhash Chandra Naithani, Pt. Ravishankar Shukla University, India

**Title: Effect of Boron fertilizer on Sunflower seed yield and oil production**

Basavaraju P K, University of Agricultural Sciences, India

**Title: Molecular characterization of 3-Hydroxy-3-methylglutaryl-CoA reductase (HMGR) multigene family in legume crop *Cicer arietinum***

Renu Kumari, National Institute of Plant Genome Research, India

**Title: An Optimistic Foresight of Microalgal Biotechnology**

Ruma Pal, University of Calcutta, India

**Title: Phytoplankton diversity of two different ecological niches in relation to physicochemical parameters**

Partha Talukdar, University of Calcutta, India

**Title: Glomalin content of soil in relation to soil organic carbon under long term fertilizer studies in finger millet – maize cropping system**

Basavaraju P K, University of Agricultural Sciences, India

**Precision Nitrogen Title: Management Through Crop Sensors on Growth and Yield of Aerobic Rice (*Oryza sativa* L**

Mudalagiriappa, University of Agricultural Sciences, India

**Title: Population status, soil properties and microbial colonization in Himalayan Silver Birch (*Betula utilis* D. Don)**

Khashti Dasila, G.B. Pant National Institute of Himalayan Environment and Sustainable Development, India

**Title: Qualitative analysis and anti-bacterial investigation of *Plumbago zeylanica***

Arpita Roy, Delhi Technological University, India

**Title: An Investigation on Cyanobacteria based Nano-iron production and their characterization**

Sreemanti Banerjee, University of Calcutta, India

**Title: Characterization of Nano-Structured Siliceous Frustules of *Amphora* sp. And Application in Nanodevices**

Rahul Bose, University of Calcutta, India

**Title: Phycoremediation of tannery waste using cyanobacteria as bioreagent with special reference to Nano Chromium formation**

Iman Dey, University of Calcutta, India

**Title: Improvement Agricultural Products by Using New Bio compounds**

Hoda Saad H. Aly, Sugar Crops Research Institute, Department of Genetics and breeding, Agriculture Research Center, Egypt

**Title: Study of the flora and vegetation diversity of the Zat- High Atlas valley of Morocco: Perspective of valorization and conservation**

Mostakim Lahcen, Cadi Ayyad university, Morocco

**Speaker Slots Available**

## Poster Presentations

**Title: Arabidopsis SFRF1 dampens defenses against herbivory by *Spodoptera exigua* and parasitism by *Heterodera schachtii***

Phuong Dung T. Nguyen, Oklahoma State University, USA

**Title: Destroying weed seeds with exhaust gas from a combine harvester**

Zahra Bitarafan, University of Copenhagen, Denmark

**Title: Seed shattering of *Bromus hordeaceus* L. during the growing season of winter wheat**  
Christian Andreasen, University of Copenhagen, Denmark

**Title: Volatile organic compounds released by maize following herbivory or insect extract application and communication between plants**  
Dariusz Piesik, UTP University of Science and Technology, Poland

**Title: A qPCR-HRM assay (high-resolution melting-curve analysis) to discriminate between pathotypes of *Synchytrium endobioticum***  
Jaroslaw Przetakiewicz, National Research Institute, Poland

**Title: Classification of grass vegetation of the Rocky Range of the North-Western Caucasus**  
Olga Demina, Karachay-Circassian State University, Russian Federation

**Title: Evaluation of incompatibility at germplasm of late sweet cherry cultivars at molecular level**  
Frantisek Paprstein, Research and Breeding Institute of Pomology Holovousy Ltd, Czech Republic

**Title: Hull-splitting is caused by a mutation of the gene *Os04g0447100* in rice**  
Hee Jong Koh, Seoul National University, Republic of Korea

**Title: Microbial endophytes and soil enzymes contribute to the growth and establishment of *Ginkgo biloba* L.**  
Ashish Dhyani, G.B. Pant National Institute of Himalayan Environment and Sustainable Development, India

**Title: Over-expression of *OsASR* confers drought tolerance in rice**  
Dipali Srivastava, CSIR- National Botanical Research Institute, India

**Title: Carbon flow mediated by brackish-water algal mats in Indian Sunderbans: A case study for environment-friendly and sustainable source of biodiesel**  
Prakash Chandra Gorain, University of Calcutta, India

**Title: Improvement of phosphorus utilization and growth in maize (*Zea mays*) seedlings by synergistic biofertilizer application on eastern Indian Oxisol**  
Ishita Paul, Indian Institute of Technology, India

**Title: CO<sub>2</sub> sequestration efficient Pulp wood species in OTC under elevated CO<sub>2</sub> conditions**  
R. Mohanraj, Bharathidasan University, India

**Title: Contacts Between Common Plant Names And Toponymy In Botanical Perspective**  
Shashikant Bharatrao Shisode, M.G.Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, India

**Title: Contribution to the study of intercropping wheat and Faba in the area of Marrakech**  
Sammama Hasnaa, University of Cadi Ayyad, Morocco

## Slots Available

Village Hotel Changi, 1 Netheravon Road Singapore 508502

**Conference Dates: March 11-13, 2019**

Questions? Contact +1 (702) 988-2320 or Inquires: [plantbiology-2019@magnus-group.org](mailto:plantbiology-2019@magnus-group.org)

Register Now at <https://plantbiologyconference.com/registration/>