

TENTATIVE
PROGRAM

3rd 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: Algal Biotechnology: Achievements, failures and future prospectives

Avigad Vonshak, Ben-Gurion University of the Negev, Israel

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, Instituto Murciano de Investigación y Desarrollo Agrario y Alimentario, 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: Prediction of Plant Protein Subcellular Locations

Xiangjia Min, Youngstown State University, USA

Title: The Phytophthora RXLR effector Avrblb2 modulates plant immunity by interfering with Ca²⁺ 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: Fibrillarin sinteny evolution and viral interactions

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

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

Steinbach Delphine, INRA, France

Title: Plant cell interaction with actinides; Fe deficiency provoke uranium uptake in Brassica napus cell suspension culture

Fatemeh Rajabi, Helmholtz-Zentrum Dresden-Rossendorf, Germany

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

Juliana Ordoñez 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 Białowieża Forest

Izabela Sondej, Forest Research Institute, Poland

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 Aand Stabilisation Of Water And Soil Resources In Azerbaizen

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

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

Enhancing b-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: LED technological possibilities: tool for management of metabolic changes in microgreens

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

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 Grape Production

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

Title: Studies on effect of herbal extract Samved Fugall (CO2) 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: 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 physico-chemical parameters

Partha Talukdar, University of Calcutta, 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: 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

Title: climate change and sustainable agricultural development

Attia El-Gayar, Soil, Water & Environment Research Institute, Egypt

Title: Functional Characterization of a Calmodulin-binding Receptor-like Cytoplasmic Kinase (*GmCBRLK*) in *Glycine max* Using Computational and Bioinformatic Approaches

Enetia D Bobo, Bindura University, Bindura, Zimbabwe

Title: Genetic identification of local grapevines in the eastern of Algeria

Laiadi Ziane, University of Biskra, Algeria

Title: Genetic characterization of the PURPLE PERICARP traits in rice (*Oryza sativa* L.)

Md Mominur Rahman, Hajee Mohammad Danesh Science and Technology University, Bangladesh

Title: Association Among Growth Duration and Yield Traits Revealed by GWAS in Rice (*Oryza sativa* L.)

Muhammad Abdul Rehman Rashid, University of Agriculture Faisalabad, Pakistan

Speaker Slots Available

Poster Presentations

Title: Arabidopsis SRFR1 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 Andreassen, 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: Attributes of wheat cultivars for late autumn sowing in genes expression and field estimates

Anna Wenda Piesik, UTP University of Science and Technology, Poland

Title: Classification of grass vegetation of the Rocky Range of the North-Western Caucasus

Olga Demina, Karachay-Circassian State University, Russian Federation

Title: Polymorphism in SSR-loci associated with E genes in soybean mutant lines perspective for breeding

Chebotar Sabina, Odessa I.I. Mechnikov National University, Ukraine

Title: In Vitro Antioxidant and Cytotoxicity Activity Screening of Ethanolic Flower Extract of Moringa oleifera

Lance Harvey A. Saavedra, Philippine Normal University, Philippines

Title: In vivo Radioprotective Activity of Syzygium cumini (L.) (Duhai) Extract

Marc Adriane Jacinto, Philippine Normal University, Philippines

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

Arpita Roy, Delhi Technological University, India

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: CO₂ sequestration efficient Pulp wood species in OTC under elevated CO₂ 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

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