

2<sup>nd</sup> Edition of Global Conference on

# PLANT SCIENCE AND MOLECULAR BIOLOGY

TENTATIVE  
Program

GPMB  
2018

ACCENTUATE INNOVATIONS AND EMERGING  
NOVEL RESEARCH IN PLANT SCIENCES

SEPTEMBER 20-22, 2018  
ROME, ITALY

## Tentative Program

### Keynote Presentations

**Title: How to structure the GM debate successfully**

Klaus Ammann, University of Bern, Switzerland

**Title: Why is the mid-southern United States an epicenter for the development of Herbicide resistant weeds?**

Thomas C Mueller, University of Tennessee, USA

**Title: Source-sink relationships and stress tolerance in crop plants**

Eduardo Blumwald, University of California, USA

**Title: Redox state components controls the nitrogen-fixing symbiosis between *Medicago truncatula* and *Sinorhizobium meliloti***

Frendo Pierre, University of Nice Sophia Antipolis, France

**Title: Host ER stress machinery responds to Viral small membrane binding proteins to suppress virus accumulation**

Jeanmarie Verchot, Texas A&M Agrilife Research, USA

**Title: Understanding defense and counter-defense in plant-virus co-evolutionary arms race and developing next generation antiviral resistance**

Aiming Wang, Agriculture and Agri-Food Canada, Canada

**Title: The Canadian breeding program for the improvement of abiotic stress tolerance of perennial forage legumes**

Annie Claessens, Agriculture and Agri-Food Canada, Canada

**Title: Tweaking adaptation traits to improve yield in perennial herbaceous crops: Seasonal dormancy as a model**

Ali M. Missaoui, The University of Georgia, Georgia

**Title: Natural hybridization may trigger genomic reshuffle imposing complicated strategies for survival of hybrid-segregates**

Hit Kishore Goswami, Barkatullah University, India

**Title: Proteasome regulation in plant development**

Hong-Wei Xue, Chinese Academy of Sciences, China

### Oral Presentations

**Title: Machine Learning in Development of Therapies for Citrus Greening**

Victoria A Piunova, IBM Almaden Research Center, United States

**Title: Differential root and leaf defense response to *Phytophthora nicotianae* infection**

Jian Wu, Citrus Research and Education Center, University of Florida, USA

**Title: Actinomycetes diversity associate to cherry (*Prunus avium* L.) rhizosphere and their potential as plant health promoters**

Marieta Marin Bruzos, University of British Columbia, Canada

**Title: Salt tolerance mechanisms in grasses with salt excretion**

Nuria Koteyeva, Komarov Botanical Institute Russian Academy of Sciences, Russia

**Title: Genetic breeding as a tool to control the pine wilt disease**

Raquel Diaz Vazquez, Lourizan Forest Research Center, Spain

**Title: Yellow canopy syndrome in sugarcane is caused by a sink source imbalance**

Frederik C. Botha, Sugar Research Australia Limited, Australia

**Title: Regulatory circuits connect early leaf development and senescence in *Arabidopsis thaliana***

Zentgraf Ulrike, University of Tubingen, Germany

**Title: High diluted solution of *Thuya occidentalis* changes photosynthetic response curves in tomato plants infected with *Meloidogyne incognita***

Jose Renato Stangarlin, Western Parana State University, Brazil

**Title: Ethnobotanical study on the medicinal plants in the central-southern Apennine, (Italy)**

Paola Fortini, University of Molise, Italy

**Title: Invasion impact of the *Genista etnensis* (Raf.) DC. (Fabaceae) on Mt. Vesuvius**

Adriano Stinca, University of Campania Luigi Vanvitelli, Italy

**Title: Nucleolar iron impacts rDNA organization and expression in *A. thaliana***

Montacie Charlotte, UMR 5096 - CNRS/UPVD, France

**Title: Genomic Technologies applied to Agro biodiversity of cassava (*M. esculenta* Crantz) in Brazil**

Luiz Carvalho, EMBRAPA Genetic Resources and Biotechnology, Brazil

**Title: The critical role of silicon in alleviating drought stress and mineral nutrient deficiencies in different crop plants**

Seyed Abdollah Hosseini, Agro Innovation International Roullier Saint Malo, France

**Title: Sunflower broomrape (*Orobanche cumana*) parasite: biology, genetics, host-parasite interaction**

Maria Paureanu, Research Center for Cereals and Industrial Crops, Romania

**Title: Effects of Dicamba Micro-Rates on Sensitive Crops**

Stevan Knezevic, University of Nebraska-Lincoln, United States

**Title: Effect of high light stress on the photosynthesis of a shade demanding plant: *Panax ginseng* C.A. Meyer**

Segret Lea, France Ginseng, France

**Title: Morpho-physiological approaches to screen for salinity tolerance in *Oryza glaberrima* Steud**

Prodjinoto Hermann, Universite catholique de Louvain, Belgium

**Title: Molecular Identification of *Macrophomina Phaseolina* associated with Charcoal Rot of Melon in Jordan**

Adel Saleh Hussein Al-Abed, National Center for Agricultural Research and Extension, Jordan

**Title: Hypoglycemic Potential of Sugar cane (*Saccharum officinarum* Linn.) Stalk Extract in Alloxan-Induced Diabetic Mice**

Nichell M. Villarta, Philippine Science High School-EVC, Philippines

**Title: Environmental gradients shape the genetic structure of two medicinal *Salvia* species in Jordan**

Hassan Refai Hamasha, Jerash University, Jordan

**Title: Breeding for the ensure the good quality of the Hungarian Persian Walnut industry**

Geza Bujdoso, National Agricultural Research and Innovation Centre – Fruitculture Research Institute, Hungary

**Title: About biological and valorization of algerian species**

Meriem Kaid Harche, University of Science and Technology of Oran Mohamed Boudiaf, Algeria

**Title: The Brassinosteroids (BR) Signaling Regulation of plant Seed number**

Wen-Hui Lin, Shanghai Jiao Tong University, China

**Title: Cellulosic Cell walls of Dinoflagellates**

Alvin, Chun Man Kwok, The Hong Kong University of Science and Technology, Hong Kong

**Title: Development and applications of rice SNP array for genomic breeding**

Fasong Zhou, China National Seed Group Co., Ltd, Wuhan, China

**Title: Ex situ conservation and in vitro multiplication of potential cactus species resistant to cochineal and productive of fruits consumable in Morocco**

Youssef EL Kharrassi, University of Mohammed VI Polytechnic (UM6P), Morocco

**Title: Removal of Airborne Dust and Associated Metals by Plant Leaves**

Yanju Liu, Beijing Milu Ecological Research Center, China

- Title: Regulatory divergence in wound-responsive gene expression in domesticated and wild tomato**  
Ming-Jung Liu, Academia Sinica, Taiwan
- Title: Identification and Characterization of Nitrate Regulatory Genes in Plants**  
Yong Wang, Shandong Agricultural University, China
- Title: An Overview of Lentil Improvement Program in Algeria**  
Gaad Djouher, National Research Center for Biotechnology, Algeria
- Title: Virus diseases of garlic in Indonesia and potential control measures**  
Sri Hendrastuti Hidayat, Bogor Agricultural University, Indonesia
- Title: Wound signaling and cell fate transition in plant regeneration**  
Lin Xu, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China
- Title: Ethnobotanical uses of Clerodendrum L. in North East India**  
Nibedita Das, Gauhati University, India
- Title: Diversity of edible and inedible macrofungi in Turgo tropical forest ecosystem Mount Merapi National Park**  
Dwiki Prasetya, Yogyakarta State University, Indonesia
- Title: Current Situation of Research and Application of Biological Control Agents in Taiwan**  
An-Long Chiou, University of Taipei, Taiwan
- Title: Genomic analysis of lipid-related genes showed insight to the high oil content in sesame**  
Linhai Wang, Chinese Academy of Agricultural Sciences-Oil Crops Research Institute (CAAS-OCRI), China
- Title: Assessment of genetic diversity in Pedalium murex L. from different parts of India**  
Gulshan Chaudhary, The Energy and Resources Institute, India
- Title: Effect of potato peel's compost on evapotranspiration growth of Phaseolus Vulgaris L. under salinity**  
Rafat Saeed, China Agricultural University, China
- Title: Preliminary progress of QTL Mapping and transcriptomic analysis for Salt Tolerance on wild cotton (Gossypium)**  
Fang Liu, The Institute of Cotton Research of the Chinese Academy of Agricultural Sciences, China
- Title: Screening of Interspecific tomato hybrids against Peanut Bud Necrosis Virus (PBNV)**  
A. Beulah, Tamil Nadu Agricultural University, India
- Title: Exploring key cellular processes and candidate genes regulating the primary thickening growth of Moso underground shoots**  
Qiang Wei, Nanjing Forestry University, China
- Title: Growth and physiology responses of Phragmites australis to drought, flooding and their alternate in inland salt marshes, Northeast China**  
Xiaoyu Li, Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, China
- Title: Melatonin promotes plants growth under low-sulfur regimes by regulating sulfur homeostasis in tomato (Solanum lycopersicum L)**  
Md. Kamrul Hasan, Zhejiang University, China
- Title: Understanding an un-described symbiosis; implications for resilience, evolution and conservation of Oxalis in the Cape flora biodiversity hotspot**  
Michelle Jooste, Stellenbosch University, South Africa
- Title: SKIP, a Splicing Factor, Links Alternative Splicing to SWR1 Chromatin Remodeling Complex and Controls Flowering Time in Arabidopsis**  
Xiaoxue Wang, Shenyang Agricultural University, China
- Title: TMK-mediated transcriptional auxin signaling in regulating plant development**  
Tongda Xu, Fujian Agricultural and Forestry University, China

- Title: Single nucleotide polymorphism (SNP) calling using Next generation based-Sequencing (GBS) approaches and primer development for routine activities in guinea yam (*Dioscorea Spp*)**  
Agre Paterne, International Institute of Tropical Agriculture (IITA), Nigeria
- Title: Trichogramma Mass Rearing, Cold Storage, Release and Evaluation, A verified Sudanese Techniques for Adoption**  
Tag Elsir Elamin Abdalla, Agricultural Research Corporation (ARC), Sudan
- Title: Glutathionylated vire2 hampers the activity of T-DNA nuclear import and nuclear integration during agrobacterium mediated transformation in monocots (rice)**  
Madhu Tiwari, CSIR-NBRI, India
- Title: The exploration of miRNA408 in Arabidopsis and Rice photosynthetic function and antioxidant system under UV-B radiation stress**  
Meiping Zhang, NanJing Agriculture University, China
- Title: Necrotic syndrome associated to the chemira virus carrying a highly structured noncoding RNA**  
Zhao Mingmin, Inner Mongolia Agricultural University, China
- Title: Gating plant immunity and cell at the nuclear pore**  
Yangnan Gu, Tsinghua University, China
- Title: A Plant needs natural organic fertilizer to grow in a balanced way**  
Roy Durlave, Bangladesh Institute of Management, Bangladesh
- Title: Ecological Restoration of Plants and China's Watershed Pollution Control**  
Zheng Zheng, Fudan University, China
- Title: Regulation of Short-term drought memory formation**  
Li Liu, Kunming Institute of Botany, China
- Title: Duplicated MPF2-like MADS-box transcription factors are recruited in fertility function in plants**  
Khan Muhammad Ramzan, Qauid-i-Azam University, Pakistan
- Title: Temporal and organ specific modifications assist in growth of *Phragmites karka* under saline degraded land: A sustainable approach for alternate biofuel source**  
Muhammad Zaheer Ahmed, University of Karachi, Pakistan
- Title: Investigation on Population Fluctuation, Spatial Distribution and Sampling Plans of *Tetranychus urticae* Koch. in Common Bean (*Phaseolus vulgaris*) Fields in North Lorestan Province-Iran**  
Nasim Abolfathi, Shahid Chamran University of Ahwaz, Iran
- Title: Expression Studies of Insect Resistant Genes in *Gossypium hirsutum***  
Mudassar Fareed Awan, University of the Punjab Lahore, Pakistan
- Title: Nutrition and growing media effect on potato minituber production in hydroponic system**  
Babak Darvishi, Seed and Plant Certification and Registration Institute, Iran
- Title: Temporal and organ specific modifications assist in growth of *Phragmites karka* under saline degraded land: A sustainable approach for alternate biofuel source**  
Muhammad Zaheer Ahmed, University of Karachi, Pakistan

## Speaker Slots Available

### Poster Presentations

- Title: Screening of triticale winter breeding lines for resistance to *Fusarium* head blight**  
Halina Wisniewska, Institute of Plant Genetics, Polish Academy of Sciences, Poland
- Title: Identification and characterization of poliploid plant of PLANT *Heliconia chartacea* var. Sexy Pink**  
Maria Teresa Gomes Lopes, Universidade Federal do Amazonas, Brazil

**Title: Comparative analysis between the reproductive strategies of the cultivated *Moringa oleifera* and its wild and endangered relative *Moringa peregrina***

Adina Mishal, Tel Aviv University, Israel

**Title: Is autophagy involved in nitrogen remobilization during plant organs senescence in *Populus trichocarpa*?**

Natalia Wojciechowska, Adam Mickiewicz University in Poznan, Poland

**Title: Potential antagonist of endophytic microorganisms isolated from *Butia purpurascens* and *Butia archeri***

Luciana Vitorino, IFGoiano, Brazil

**Title: Chlorophyll a fluorescence in evaluation of LED light influence on crops of the Poaceae family**  
Krystyna Rybka, Plant Breeding and Acclimatization Institute National Research Institute in Poland, Poland

**Title: Application of exogenous synthetic strigolactone GR24 on in vitro *Medicago truncatula* plants with modified auxin transport in conditions of phosphate deficiency and excess**

Miglena Revalska, AgroBioInstitute, Bulgaria

**Title: Absorption of macronutrients influenced by nitrogen fertilization in *Anacardium othonianum* seedlings**

Layara Bessa, IFGoiano, Brazil

**Title: Impact of silicon (Si) nutrition on barley plants under potassium (K) deficiency: Insight into transcriptional, hormonal and metabolic regulation**

Seyedeh Sara Naseri Rad, The Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Germany

**Title: The influence of single color lighting during barley androgenesis on regeneration efficiency**

Patrycja Siedlarz, Plant Breeding and Acclimatization Institute -National Research Institute in Poland, Poland

**Title: Assessment Method of Ensuring the Microbial Salad Safety**

Antanas Sarkinas, Kaunas University of Technology, Lithuania

**Titles: The expression of the isoforms of type B methionine sulfoxide reductase in Norway maple (*Acer platanoides* L.) seeds**

Ewa Kalembe, Institute of Dendrology, Polish Academy of Sciences, Poland

**Title: Genome identification and transferability of microsatellite markers between *Atriplex* species**

Adriana Bastias, Universidad Autonoma de Chile, Chile

**Title: Next generation transcriptome assembly for *Euterpe oleracea***

Ananda Virginia de Aguiar, Embrapa Florestas, Brazil

**Title: Drivers of alpha and beta vascular plant diversity in a continental archipelago (Ionian Islands, Greece)**

Panayiotis Trigas, Agricultural University of Athens, Greece

**Title: Feedstock production from nickel contaminated land for bioenergy purposes**

Panayiotis Trigas, Agricultural University of Athens, Greece

**Title: Characterization of a new isoform of starch synthase in *Solanum tuberosum***

Francois Sevestre, University Lille 1, France

**Title: Mechanisms of isolation of excess salt in leaf tissue of halophytes**

Elena Voznesenskaya, Komarov Botanical Institute Russian Academy of Sciences, Russia

**Title: Downregulation of PHOTOTROPIN 1 in *Solanum lycopersicum* L.**

Hlouskova Petra, Palacky University, Czech Republic

**Title: Chemical composition and antifungal activity of the essential oils of *Satureja montana* and *Mentha longifolia***

M. Pilar Santamarina, Universidad politecnica de valencia, Spain

**Title: Stimuli from prey induce expression of digestive enzymes in the carnivorous plant of the genus *Nepenthes***  
Andrej Pavlovic, Palacky University, Czech Republic

**Title: Tapetum PCD Retardation is Critical for Amino acid biosynthesis and Aliphatic Metabolism during sesame anther Development**

Ting Zhou, Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, China

**Title: Functional deficiency of phytochrome B improves salt tolerance in rice**

Nam-Chon Paek, Seoul National University, Korea Republic of

**Title: Changes on growth and abscisic acid contents of *Medicago sativa* to drought at different growth stages**

Liqiang Wan, Chinese Academy of Agricultural Sciences, China

**Title: Characterization of an E3 ligase regulating the stability of BIN2**

Yu Jeong Jeong, Seoul National University/Inbiofarm Co., Ltd, Korea, Republic of

**Title: A new method of de novo shoot organogenesis in *Arabidopsis***

Minhuan Zeng, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China

**Title: Antioxidant activity, total phenolic and total flavonoid contents of the methanol extracts of the leaves and stems of milkweed, *Gomphocarpus physocarpus* (E.Mey)**

Yogasphree Naidoo, University of KwaZulu-Natal, South Africa

**Title: Cell Cycle Regulation of The Initial Division Events During de novo Root Organogenesis in *Arabidopsis***

Hua Wang, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China

**Title: Effects of Magnetic Field on Peroxidase Activity and Hardening of New Guinea Impatiens Explants**

Fardad Didaran, Tehran University, Iran

## Slots Available



Holiday Inn Rome Aurelia

Via Aurelia, Km 8.400, 00165 | Rome, Italy

**Conference Dates: September 20-22, 2018**

Questions? Contact +1 (702) 988-2320 or Inquires: [plantscience@magnusconferences.com](mailto:plantscience@magnusconferences.com)

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