

2nd 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 Tübingen, 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: Rehabilitation of soils after their radioactive pollution for production of agricultural, fruit, berry and nut bearing crops

Melchenko Alexander Ivanovich, Kuban state agrarian university, Russian Federation

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 Pacureanu, 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

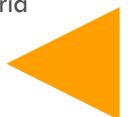
Geza Bujdosó, National Agricultural Research and Innovation Centre – Fruitculture Research Institute, Hungary

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: 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 Kalemba, 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: 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: 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



Holiday Inn Rome Aurelia

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Conference Dates: September 20-22, 2018

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

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