

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

Frendo Pierre, University of Nice Sophia Antipolis, France

Title: Technological advances for in vitro culture and genetic enhancement of horticultural crops

Samir C. Debnath, St. John's Research and Development Centre, Canada

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

Title: Ecological Restoration of Plants and China's Watershed Pollution Control

Zheng Zheng, Fudan University, China

Oral Presentations

Title: Machine Learning in Development of Therapies for Citrus Greening

Victoria A Pionova, 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: 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: 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 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: The morphology of the structural elements of *Rhododendron* and their taxonomic significance

Koksheeva Inna, Botanical Garden-Institute FEB RAS , Russian Federation

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

Prodjino 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: 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: 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: 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: Regulation of Short-term drought memory formation

Li Liu, Kunming Institute of Botany, China

Title: Biosafety on reliable bacteria application

Juan Ignacio Vilchez Morillas, Shanghai Center for Plant Stress Biology, Chinese Academy of Sciences, China

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. Beaulah, 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: 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, Quaid-i-Azam University, Pakistan

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

Fardad Didaran, Tehran University, 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

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: Will Die Slowly family in *Arabidopsis* development and their ERK docking sites for the interaction with MAP kinase pathways

Tim Xing, Carleton University, Canada

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

Francois Sevestre, University Lille1, France

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

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

Title: The EGY3 – strongly conserved protein of unknown function

Robert Lucinski, Adam Mickiewicz University, Poland

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

M. Pilar Santamarina, Universidad politecnica de valencia, Spain

Title: Identification and characterization of polyploid 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: Stability of resistance to Fusarium head blight and Fusarium toxin accumulation in winter wheat lines evaluated in the years 2015-2017 in two environments

Tomasz Goral, Plant Breeding and Acclimatization Institute - NRI, Poland

Title: Stimuli from prey induce expression of digestive enzymes in the carnivorous plant of the genus *Nepenthes*

Andrej Pavlovic, Palacky University, Czech Republic

Title: Feedstock production from nickel contaminated land for bioenergy purposes

Panayiotis Trigas, Agricultural University of Athens, Greece

Title: The FLN1, pTAC10 and pTAC16 proteins as potential targets for EGY2 protease

Malgorzata Adamiec, Adam Mickiewicz University, Poland

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

Title: Classification of medicinal plants according to their antioxidant capacity using chromatographic profiles and chemometrics

Costel Sarbu, Babes-Bolyai University, Romania

Title: Genome-wide characterization and analysis of RabGAP gene family related to salt stress tolerant in wild and cultivated tomato species

Jose Antonio Madrid Espinoza, Universidad de Talca, Chile

Title: Variation in plant biochemistry affects acceptance of lupins by the pea aphid

Bozena Kordan, University of Warmia and Mazury, Poland

Title: Effect of light deficit on plant-aphid interactions

Beata Gabrys, University of Zielona Gora, Poland

Title: The Functionary Mechanism of A Soybean Gene GmMCU1 in Response to Salt Stress

Xu Zhaolong, Jiangsu Academy of Agricultural Sciences, China

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

Hlouskova Petra, Palacky University, Czech Republic

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: Functional deficiency of phytochrome B improves salt tolerance in rice

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

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: 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: Development and Validation of InDel Markers for Capsicum spp Based On Whole-Genome Re-Sequencing

Wang Shubin, Institute of Vegetable Crops, Jiangsu 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: 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: A new method of de novo shoot organogenesis in Arabidopsis

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

Title: Comparative transcriptome analysis reveals key genes and pathways related to male sterile of eggplant (Solanum melongena L.)

Zhuang Yong, Institute of Vegetable Crops, Jiangsu Academy of Agricultural Sciences, China

Title: Production and characterization of intergeneric hybrids between turnip and radish

Lina Lou, Institute of Vegetable Crops, Jiangsu Academy of Agricultural 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: Morphological and pathogenic characterization of discolored resistant rice

Muhammad Ashfaq, Institute of Agricultural Sciences, Pakistan

Slots Available

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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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