

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 debate on modern breeding in agriculture?

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

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

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

Frendo Pierre, University of Nice Sophia Antipolis, France

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, USA

Title: Proteasome regulation in plant development

Hong-Wei Xue, Shanghai institutes for biological sciences, CAS, China

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

Zheng Zheng, Fudan University, China

Oral Presentations

Title: Effects of Dicamba Micro-Rates on Sensitive Crops

Stevan Knezevic, University of Nebraska-Lincoln, United States

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

Raquel Diaz Vazquez, Lourizan Forest Research Center, Spain

Title: High diluted solution of *Thuja 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: New compounds and their application as innovative approach to plant protection against pathogens

Rafal Kukawka, Adam Mickiewicz University Foundation, Poland

Title: Salt tolerance mechanisms in grasses with salt excretion

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

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: 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: Floral Morphology and Reproductive Biology of *Asarum sieboldii* Miq

Svetlana Nesterova, Botanical Garden-Institute FEB RAS, Russia

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: The morphology of the structural elements of *Rhododendron* and their taxonomic significance

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

Title: Virus diseases of garlic in Indonesia and potential control measures

Sri Hendrastuti Hidayat, Bogor Agricultural University, Indonesia

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: 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: Identification and Characterization of Nitrate Regulatory Genes in Plants

Yong Wang, Shandong Agricultural University, China

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: Biosafety on reliable bacteria application

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

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: Water Hyacinths as Phytoremediation and Cyanobacterial Bloom Control

Hongjie Qin, Jiangsu Academy of Agricultural Sciences, China

Title: Regulatory divergence in wound-responsive gene expression in domesticated and wild tomato

Ming-Jung Liu, Academia Sinica, Taiwan

Title: Exploring key cellular processes and candidate genes regulating the primary thickening growth of Moso underground shoots

Qiang Wei, Nanjing Forestry University, China

Title: Microbial source of water for the desert plants

Ahmed Z. Abdel Azeiz, College of Biotechnology, Misr University for Science and Technology, Egypt

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

Yanju Liu, Beijing Milu Ecological Research Center, China

Title: Wound signaling and cell fate transition in plant regeneration

Lin Xu, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China

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

Wen-Hui Lin, Shanghai Jiao Tong University, China

Title: Estimation of nuclear genome size and its correlation with Ty1-copia like LTR retrotransposon and cell phenotypic traits

Latha Rangan, Indian Institute of Technology Guwahati, India

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: Diversity of edible and inedible macrofungi in Turgu tropical forest ecosystem Mount Merapi National Park

Dwiki Prasetya, Yogyakarta State University, Indonesia

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: TMK-mediated transcriptional auxin signaling in regulating plant development

Tongda Xu, Fujian Agricultural and Forestry 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: 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: Effects of Magnetic Field on Peroxidase Activity and Hardening of New Guinea Impatiens Explants

Fardad Didaran, Tehran University, Iran

Title: Effect of silicon on some physiological and biochemical attributes of barley (Hordeum vulgare L.) Under Salt Stress

Sibgha Noreen, Bahauddin Zakariya University, 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: Use of biocatalytic processes for the production of value-added compounds from vegetable oils

Magali Mariani, University of Corsica , France

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 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: Use of olive recombinant hydroperoxide lyases for synthesis of green leaf volatiles: activation and stabilization of enzymes by selected additives

Sophie Vincenti, University of Corsica , France

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: Study of tolerance to natural chilling stress in triploid citrus and potential impact on fruit quality

Lourkisti Rad, University of Corsica Pascal Paoli, France

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: Shade levels and variety effects on tomato fruit yields

Jaime Ruiz-Vega, Instituto Politecnico Nacional, Mexico

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)

Yougasphree 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: Impact of harvest season on sensory and phenolic profiles of selected clones of Cyclopia subternata (honeybush)

Gugu Mabizela, ARC Infruitec-Nietvoobij, South Africa

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

Title: Morphological and pathogenic characterization of discolored resistant rice

Muhammad Ashfaq, Institute of Agricultural Sciences, Pakistan

Slots Available

Workshop

Title: Using new media tools to connect micropropagation scientists, propagators and hobbyists

Avihai Ilan, Private consultant, Israel

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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