



**UNITED** Scientific  
Group  
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**Plant-2019**

*International Conference on*  
**PLANT SCIENCE  
RESEARCH**

*Theme: Plant Science In Changing World*

**March 04-06, 2019**

**Venue**

**DoubleTree by Hilton Baltimore - BWI Airport**

890 Elkridge Landing Rd

Linthicum Heights

MD 21090, USA

<https://unitedscientificgroup.com/conferences/plant/>

## Plant-2019 Tentative Scientific Program

**Day - 1 March 04, 2019**

### Keynote Session

**John E. Carlson**, Pennsylvania State University, PA

**Title:** Genomic Resources for Environmental Resilience and Species Restoration in Hardwood Forest Trees

**Keerti S. Rathore**, Texas A&M University, TX

**Title:** Creation and deregulation of our Ultra-low Gossypol Cottonseed

**Hua Lu**, University of Maryland, MD, USA

**Title:** Interplay between the circadian clock and innate immunity in Arabidopsis

**Christer Jansson**, Pacific Northwest National Laboratory, WA

**Title:** TBA

**Clyde Pattison Bagley**, Tennessee Tech University, TN, USA

**Title:** Innovative Forage-Based Management Systems for Producing Grass-Fed Beef

**Wilson Boardman**, Micromix Plant Health Ltd, UK

**Title:** TBA

### Scientific Sessions:

Plant Molecular Biology & Biochemistry

Plant Genetics & Genomics

Soil Science

Crop Science

Entomology & Pest Management

**Nicholi Vorsa**, Rutgers University, USA

**Title:** Divergent evolution for fruit chemistry in Vaccinium: blueberry versus cranberry

**Bin Yu**, University of Nebraska-Lincoln, USA

**Title:** MAC3A and MAC3B, two core subunits of the MOS4-associated complex, positively impact miRNA biogenesis

**Sorina C. Popescu**, Mississippi State University, MS, USA

**Title:** Thiol redoxomes in plant immunity – pathways, molecular players, and structural determinants

**Subhash C. Minocha**, University of New Hampshire, NH, USA

**Title:** Living with High Putrescine: Metabolic Engineering of the Interacting Pathways of Glu-Orn-Arg-Pro-Polyamines and GABA to Increase C and N Assimilation in plants

**Zheng-Yi Xu**, Northeast Normal University, China

**Title:** Trithorax-group proteins ARABIDOPSIS TRITHORAX4 (ATX4) and ATX5 function in abscisic acid and dehydration stress responses

**Gladys Alexandre**, The University of Tennessee, TN, USA

**Title:** Real time bacterial chemotaxis in the rhizosphere

**Jianhua Zhu**, University of Maryland, MD, USA

**Title:** Alternative splicing is crucial for plant abiotic stress responses

**Maury Stephane**, University of Orleans, France

**Title:** EPIgenetic variation and plasticity in forest TREES (EPITREE) in a context of climate change

**Matteo Busconi**, Catholic University of the Sacred Heart, Italy

**Title:** Epigenetic variability among saffron crocus (*Crocus sativus* L.) accessions characterized by different phenotypes

**Mustapha F. A. Jallow**, Kuwait Institute for Scientific Research, Kuwait

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| <b>Title:</b> Efficacy of some biorational insecticides against <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae) under laboratory and greenhouse conditions in Kuwait                           |
| <b>Adriana Bastias</b> , Autonomous University of Chile, Chile   |
| <b>Title:</b> Identification of molecular tools to <i>Atriplex</i> species   |
| <b>Yesheng Zhang</b> , BGI, China  |
| <b>Title:</b> Developing superior alleles of yield genes in rice by artificial mutagenesis using the CRISPR/Cas9 system  |
| <b>Erika Albuquerque</b> , University of Brasilia, Brazil  |
| <b>Title:</b> Gene expression of coffee miraculin-like genes in response to plant stress   |
| <b>Silvanete Severino da Silva</b> , Federal University of Campina Grande, Brazil  |
| <b>Title:</b> Phytomass of Lettuce Cultivars under water replenishment levels  |
| <b>Jeannie Rowland</b> , USDA, MD  |
| <b>Title:</b> Developing a saturated genetic linkage map of diploid blueberry and QTL analyses   |
| <b>Monica Herrero Huerta</b> , Purdue University, IN   |
| <b>Title:</b> Triple S: A New Tool For Soybean High Throughput Phenotyping From Uas-Based Multispectral Imagery  |
| <b>Tongde Bie</b> , Yangzhou Academy of Agricultural Sciences, China   |
| <b>Title:</b> Cloning, Utilization, and Protection of Pm21 Conferring Broad Spectrum Resistance to Wheat Powdery Mildew  |
| <b>Asmare Dejen Demek</b> , Wollo University, Ethiopia   |
| <b>Title:</b> Status of Cypress aphid, ( <i>Cinara cupressi</i> (Buckton)), on <i>Cupressus lusitanica</i> and <i>Juniperus procera</i> in the Protected and Cultivated Forests of South Wollo, Ethiopia |
| <b>Hoa Tran</b> , Institute of Agricultural Genetics, Vietnam  |
| <b>Title:</b> Genetic structure of the CITES-listed rosewood species <i>Dalbergia oliveri</i> from Indochina: implications for conservation  |
| <b>Yuguo Xiao</b> , Brigham Young University, USA  |
| <b>Title:</b> TBA  |
| <b>Geza Bujdoso</b> , National Agricultural Research and Innovation Centre, Hungary  |
| <b>Title:</b> New Persian walnut cultivars for the future  |
| <b>Dorcas Franklin</b> , University of Georgia, GA, USA  |
| <b>Title:</b> TBA  |
| <b>Mihail Kantor</b> , USDA-ARS, MD, USA   |
| <b>Title:</b> TBA  |
| <b>Olena K. Vatamaniuk</b> , Cornell University, NY, USA   |
| <b>Title:</b> TBA  |
| <b>Abiodun Oyelakin</b> , Federal University of Agriculture, Nigeria   |
| <b>Title:</b> Genetic Diversity of Capsicum (L.) Accessions from Southwest Nigeria using Simple Sequence Repeats (SSR) Markers   |
| <b>Ferdinando Branca</b> , University of Catania, Italy  |
| <b>Title:</b> TBA  |
| <b>Kleber Del Claro</b> , Federal University of Uberlândia, Brazil   |
| <b>Title:</b> TBA  |
| <b>Day - 2, March 05, 2019</b>   |

**Scientific Sessions:**

Plant Enzymes & Biosynthesis  
Plant Pathology  
Plant Stress Physiology  
Plant Breeding & Nutrition  
Plant Tissue Culture & Biotechnology  
Forest Science

**Jinping Zhao**, Texas A&M University AgriLife Research Center at Dallas, TX

**Title:** Characterization of proteins involved in Chloroplast targeting disturbed by Rice stripe virus by Novel Protoplast-Chloroplast proteomic

**Jei-Fu Shaw**, I-Shou University, Taiwan

**Title:** Structure and functional diversity of plant GDSL lipase/esterase family

**Feibing Wang**, Huaiyin Institute of Technology, China

**Title:** Enhancement of salt and drought tolerance using applied attapulgitic clay in sweetpotato

**Guoyin Kai**, Shanghai Normal University, China

**Title:** Transcription Factor SmWRKY1 Positively Promotes the Biosynthesis of Tanshinones in *Salvia miltior*

**Kirstin Wurms**, Utrecht University, The Netherlands

**Title:** Effects of bio-bactericide treatment of kiwifruit infected with *Pseudomonas syringae* pv. *actinidiae* (Psa) on host gene expression, lesion severity and Psa populations

**Gongyou Chen**, Shanghai Jiao Tong University, China

**Title:** *Xanthomonas oryzae* pv. *oryzae* TALE proteins recruit OsTFIIA $\gamma$ 1 to compensate for the absence of OsTFIIA $\gamma$ 5 in bacterial blight in rice

**Honghong Wu**, University of California, USA

**Title:** Plant salt tolerance and Na<sup>+</sup> sensing and transport

**Janetta Niemann**, University of Life Sciences in Poznań, Poland

**Title:** TBA

**Victor M Nunez**, Agrosavia, Colombia

**Title:** Advances in crop improvement of goldenberry (*Physalis peruviana* L.) in Colombia

**Andrea Visionsi**, International Center for Agricultural Research in the Dry Areas, Morocco

**Title:** GWAM of Seedling and Adult Plant Resistance to Barley Stripe Rust (*Puccinia striiformis* f. sp. *hordei*) in India

**Bednarek Piotr Tomasz**, The Plant Breeding and Acclimatization Institute, Poland

**Title:** Taguchi based optimization of the in vitro plant regeneration via anther cultures in crops

**Bhabesh Borphukan**, International Center for Genetic Engineering and Biotechnology, India

**Title:** 21st century challenges to food security: an attempt to increase crop production through transgenic and genome edited approaches

**Arulbala Chandran Dhanarajan**, Periyar University, India

**Title:** Identification of seed filling gene (*VmBS1*) in Black gram (*Vigna mungo* L. Hepper) mutant induced by gamma irradiation

**Adnane Bargaz**, Mohammed VI Polytechnic University - OCP Group, Morocco

**Title:** Better use of phosphorus relies on the optimization of plant and microbial belowground

**Gabor Galiba**, Centre for Agricultural Research, Hungary

**Title:** Light spectrum dependent circadian regulation of freezing tolerance and modification of development and yield quality applying LED light sources in cereals

**Tímea V. Nadai**, Centre for Agricultural Research, Hungary

**Title:** The Adaptive Role of Mitogen-Activated Protein Kinase (MAPK) Signalling in *Chlamydomonas Reinhardtii* Grown Under Paraquat Induced Oxidative Stress

**Wakshum Shiferaw**, Addis Ababa University, Ethiopia

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| <b>Title:</b> Anthropogenic effects on floristic composition, diversity and regeneration potential of the Debrelibanos Monastery forest patch, central Ethiopia  |
| <b>Alicja Ziemienowicz</b> , Agriculture and Agri-Food Canada, Canada  |
| <b>Title:</b> TBA  |
| Lily Tamburic-Ilincic, University of Guelph, Canada  |
| <b>José L. Chávez</b> , Colorado State University, CO, USA   |
| <b>Title:</b> TBA  |
| <b>Elias Dantew</b> , Wageningen University & Research, The Netherlands  |
| <b>Title:</b> TBA  |
| <b>Ana P. Barros</b> , Duke University, NC, USA  |
| <b>Title:</b> TBA  |
| <b>Andre Cau</b> , EMBRAPA, Brazil   |
| <b>Title:</b> TBA  |
| <b>Day - 03, March 06, 2019</b>  |
| <b>Scientific Sessions:</b><br>Plant & Environment<br>Trends in Plant Science<br>Weed Management<br>Plant Taxonomy<br>Plant Hormones<br>Forest Science   |
| <b>Susana Enríquez</b> , National Autonomous University of Mexico, Mexico  |
| <b>Title:</b> Light absorption efficiency, a key process behind leaf economics trade-offs  |
| <b>Carlos M. Rodriguez Lopez</b> , University of Kentucky, KY, USA   |
| <b>Title:</b> Integration and visualization of multi-omic data in grapevine  |
| <b>Ghassen Chaieb</b> , University of Bordeaux, France   |
| <b>Title:</b> Drought and salinity effect on plant-plant interaction in north African dryland  |
| <b>Italo Antonio Cotta Coutinho</b> , Federal University of Ceará, Brazil  |
| <b>Title:</b> Anatomical interpretation of the phylogeny and taxonomy of the genus <i>Chamaecrista</i> Moench (Leguminosae) with special focus on secretory structures   |
| <b>Sher Shah</b> , Beijing Forestry University, China  |
| <b>Title:</b> Climatic Variability Using <i>Pinus sibirica</i> Tree Growth Patterns at Altai Mountains China   |
| <b>Stanisław Karpiński</b> , Warsaw University of Life Sciences, Poland  |
| <b>Title:</b> Biotechnological Potential of the Cell Death Conditional Regulators for Improvement of Plants Growth and Seeds Yield   |
| <b>Harry S. Paris</b> , Newe Ya'ar Research Center, Israel   |
| <b>Title:</b> Nativity and Ancestry of the Dessert Watermelon, <i>Citrullus lanatus</i>  |
| <b>Thomas Sawidis</b> , University of Thessaloniki, Greece   |
| <b>Title:</b> Effect of mercury on pollen germination and tube growth in <i>Lilium longiflorum</i>   |
| <b>Pape Ibrahima Djighaly</b> , Assane Seck University of Ziguinchor   |
| <b>Title:</b> Biochemical and physiological mechanisms of <i>Casuarina equisetifolia</i> (L.) and <i>Casuarina obesa</i> (Miq.) inoculated with arbuscular mycorrhizal fungi ( <i>Rhizophagus fasciculatum</i> ) and Frankia strain (CcI6) in saline condition |
| <b>Jean-Marie Sobze</b> , Northern Alberta Institute of Technology, Canada   |
| <b>Title:</b> The Use of Carbon Nanomaterials to Improve Seed Germination, Seedling Vigor and Growth   |
| <b>Oyeyemi Adigun DADA</b> , North-West University, South Africa   |
| <b>Title:</b> Intra-row spacing, compost and NPK 20-7-3 influenced performance of popcorn ( <i>Zea mays</i> Everta.) in semi-arid region of South Africa   |

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| <b>Luciano Pilotti</b> , University of Milan, Italy   |
| <b>Title:</b> The environmental preservation of landscape as art resources in ancient territories<br>Between culture, economics and history   |
| <b>Aurelie Gfeller</b> , Agroscope, Switzerland   |
| <b>Title:</b> Explanations for <i>Amaranthus retroflexus</i> growth suppression by cover crops  |
| <b>Mzuyanda Vela</b> , University of Fort hare, South Africa  |
| <b>Title:</b> Effects of landscape and species on chemical composition and In vitro ruminal dry matter degradability of <i>Acacia nilotica</i> and <i>Maytenus heterophylla</i> leaves harvested during winter season |
| <b>Cerny Jakub</b> , The Forestry and Game Management Research Institute, Czech Republic  |
| <b>Title:</b> Methods for estimation of leaf area index: a case study from central European deciduous stands  |
| <b>Vanessa Terra</b> , Federal University of Uberlândia, Brazil   |
| <b>Title:</b> Novelties on the taxonomy of <i>Senegalia</i> Raf. (Leguminosae): segregation of new genera   |
| <b>Paterne Agre</b> , CGIAR, Nigeria  |
| <b>Title:</b> TBA   |
| <b>Dorcas Franklin</b> , University of Georgia, GA, USA   |
| <b>Title:</b> TBA   |
| <b>Muhammad Ibrahim</b> , CATIES, Costa Rica  |
| <b>Title:</b> TBA   |
| <b>Matías Morales</b> , INTA, Argentina   |
| <b>Title:</b> TBA   |
| <b>SPEAKER SLOTS &amp; POSTER SLOTS AVAILABLE</b>   |
| <b>THIS IS TENTATIVE PROGRAM SUBJECT TO CHANGE</b>  |
| <b>POSTERS</b>  |
| <b>Marzena Szelağ</b> , The Plant Breeding and Acclimatization Institute, Poland  |
| <b>Title:</b> Identifying QTLs conferring pollen sterility in triticale with timopheevii sterilizing cytoplasm  |
| <b>Priyansha Singh</b> , Delhi University, India  |
| <b>Title:</b> Genetic mapping of the serrated leaf trait in Indian mustard ( <i>Brassica juncea</i> )   |
| <b>Zhiying Deng</b> , Shandong Agricultural University, China   |
| <b>Title:</b> Genetic dissection of interactions among flour quality parameters using conditional QTL mapping   |
| <b>Niedziela Agnieszka</b> , Plant Breeding and Acclimatization Institute, Poland   |
| <b>Title:</b> Genetic and epigenetic aspects of aluminum tolerance in triticale   |
| <b>Mariana Cruz</b> , National Polytechnical Institute, Mexico  |
| <b>Title:</b> Volatile compounds from papaya ( <i>Carica papaya</i> ) fruit oviposited and not oviposited by <i>Toxotrypana curvicauda</i>  |
| <b>Mariana Cruz</b> , National Polytechnical Institute, Mexico  |
| <b>Title:</b> Incidence of female <i>Spodoptera frugiperda</i> (Noctuidae: Lepidoptera) on capturing by traps baited with sexual pheromone from conspecifics  |
| <b>Fernanda Furlan Queiroz</b> , University of Brasilia, Brazil   |
| <b>Title:</b> The use of bioreactors on in vitro multiplication of Brazilian Giant Bamboo: <i>Guadua magna</i> Londoño & Filg., Family Poaceae  |
| <b>Diane Saint-Laurent</b> , University of Quebec at Trois-Rivières, Canada   |
| <b>Title:</b> Forest Structure and Successional Trends in Riparian Forest Stands in Southern Québec basins  |
| <b>Mayank Gururani</b> , United Arab Emirates University, UAE   |
| <b>Title:</b> Overexpression of <i>Solanum tuberosum</i> SIP1 in <i>Arabidopsis</i> exhibits stress tolerance and improved photosynthetic efficiency under osmotic stress   |
| <b>Mansur X. Usmonov</b> , Kongju National University, South Korea  |
| <b>Title:</b> Systematics and Phylogeny of <i>Cousinia</i> sect. <i>Jurineopsis</i> (Juz.) <i>Tscherneva</i> (genus <i>Cousinia</i> , Asteraceae)   |
| <b>Godfrey Taulya</b> , IITA, Uganda  |
| <b>Title:</b> TBA   |

**SPEAKER SLOTS & POSTER SLOTS AVAILABLE**

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