Plant Science 2018

Theme: Plants in a Changing Environment

October 29-30, 2018
Valencia, Spain

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## Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:00-09:30</td>
<td>Registration</td>
</tr>
<tr>
<td>09:30-12:30</td>
<td>Keynote</td>
</tr>
<tr>
<td>12:30-14:30</td>
<td>Lunch</td>
</tr>
<tr>
<td>14:30-16:30</td>
<td>Workshops</td>
</tr>
<tr>
<td>16:30-17:30</td>
<td>Session Talks</td>
</tr>
<tr>
<td>17:30-18:30</td>
<td>Networking</td>
</tr>
</tbody>
</table>

### Program at a Glance

- **L'Oceanogràfic**
- **Llotja de la Seda**
- **Palace of the Marqués de Dos**
- **Playa de la Malvarrosa**

### October 29-30, 2018

Valencia, Spain

Conference Series LLC LTD extends its welcome to "6th Global Summit on Plant Science" during October 29-30, 2018 at Valencia, Spain with a theme "Plants in a Changing Environment". Participating at Plant Science Conferences 2018 will provide an exceptional opportunity to interact with world-class Plant Science Specialists and Agriculture Experts in the field creating a channel for collaborations and partnerships.

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KEY SESSIONS

• Plant Science and Natural Products
• Plant Biotechnology and Plant Tissue Culture
• Agricultural Science
• Plant Pathology and Plant-Micro-Biology
• Plant Nanotechnology
• Plant Morphology and Plant Metabolism
• Plant & Forest Ecology and its Diversity
• Plant Genetics and Epigenetics
• Plant Breeding and Molecular Breeding
• Plant Physiology and Biochemistry
• Plant Genome Sciences
• Medicinal and Aromatic Plant Sciences
• Soil Science and Soil-Plant Nutrition
• Forest Science and Technology
• Seed Science and Technology
• Plant Synthetic Biology and Plant Transcriptome

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GLIMPSES

Plant Science Conferences 2018

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Peñíscola Castle

Valencia's City of Arts and Sciences

Playa de la Malvarrosa

Museu de les Ciències Príncepe Felipe
<table>
<thead>
<tr>
<th>Keynote Forum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indigenous medicinal plants have served and continue to serve a critical role in the development of pharmaceuticals and therapeutic agents</td>
</tr>
<tr>
<td>Amy L. Greeson, Natural Discoveries, Inc. High Point, USA</td>
</tr>
<tr>
<td>Picotechnology 340pm / 600pm Evaluation of Soysoap Formula S-101 and S-102 For Activity Against Gram-Positive PlantPathogenic Bacteriaon</td>
</tr>
<tr>
<td>Anne K. Vidaver, Emerita University of Nebraska, USA</td>
</tr>
<tr>
<td>Application of Greenhouses for Sustainable Food Production</td>
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<tr>
<td>Abdeen Omer PhD, ERI, UK</td>
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<tr>
<td>Combating Abiotic Stress through Changing Gene Expression</td>
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<tr>
<td>Wilson Boardman, Micromix Plant Health Ltd, UK</td>
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<tr>
<td>Control of bud dormancy in apple</td>
</tr>
<tr>
<td>Fernando Andrés, Univ Montpellier, France</td>
</tr>
<tr>
<td>Maturity group classification and genetic diversity analysis of flowering time and maturity genes in African soybean germplasm</td>
</tr>
<tr>
<td>Dalia Kamal, China, Beijing</td>
</tr>
<tr>
<td>Identification of candidate genes involved in Arabidopsis responses to abiotic and biotic stresses using a transcriptomic</td>
</tr>
<tr>
<td>Synan F AbuQamar, United Arab Emirates University, UAE</td>
</tr>
<tr>
<td>Potentiometry in antioxidant activity evaluation of microsuspensions, extracts and living plants</td>
</tr>
<tr>
<td>Khiena Brainina, USUE, Russian Federation</td>
</tr>
<tr>
<td>The influence of climate changes on BYDV infection and Rhopalosiohum padi development</td>
</tr>
<tr>
<td>Jarosova Jana Crop Research Institute, Drnovská The Czech Republic</td>
</tr>
<tr>
<td>Cesium is a specific inhibitor of the AKT1-KC1 complex-mediated potassium influx in Arabidopsis</td>
</tr>
<tr>
<td>Ryoung Shin, RIKEN Center for Sustainable Resource Science, Japan</td>
</tr>
<tr>
<td>Padina sp. is an extracellular calcifying macro algae with aragonite needle-shaped CaCO3 morphology</td>
</tr>
<tr>
<td>Miriam Benita</td>
</tr>
<tr>
<td>The rice Rolled Fine Striped (RFS) CHD3/Mi-2 chromatin remodeling factor epigenetically regulates genes involved in reactive oxygen species</td>
</tr>
<tr>
<td>Nam-Chon Paek, Seoul National University, Korea</td>
</tr>
</tbody>
</table>
Evaluation of some orange-fleshed sweet potato (ofsp) accessions for growth and yield potentials in jos-plateau environment
O.A.T. Namo, University of Jos

Nitric oxide and truncated hemoglobin 1 in regulation of sulfur deprivation responses in Chlamydomonas
Elena Ermilova, Saint-Petersburg State University, Russia

Impact of amino acids amount changes in winter wheat (Triticum aestivum L.) and relation with grain quality due to manganese and molybdenum foliar application
Jurgita Spokaite, Institute of Agriculture, Lithuania

Keynote Slots & Speaker Available

Featured Speakers

Assessment of the genetic diversity of maize genotypes under high temperature stress
Aamer Mumtaz, Maize and Millets Research Institute

Growth and Yield Responses of Okra (Abelmoscus esculentum L.) as influenced by Sawdust Ash and Ammonium Nitrate
Abdulraheem Mukhtar, Department of Agricultural Science Education

Essential oil coatings influenced biochemical properties of two sweet orange (Citrus sinensis) cultivars stored under ambient conditions in Nigeria
Felix D. Ugese, University of Agriculture

Removal of Heavy Metals from the Wetlands Using Hyperaccumulator Plants and Endophytic Bacteria
Abhishek Tippa

Antifungal activiy of essential oil from Anethum graveolens L. growing wild in South West of Algeria on the fungic growth
Achraf Khaldi, Laboratory of Plant Resource Development and food Security in Semi-Arid Areas

Assessment of the Effectiveness of Certain Remediation Amendments Usually Applied in the Bioremediation of Soil Irrigated with Sewage Effluent for Extended Periods through CO2 evolution
Alaa Zaghloul, National Research Centre
Evaluation assessment of new genotypes of fababean under rainfed conditions of ninavaha governorete  
Al-Tawel, College of Agriculture and Forestry

A successful artificial pollination, pod formation, seed germination and acclimatization of dendrobium orchids  
Ameer Ahmed Mirbahar, Shah Abdul Latif University

In vitro antioxidant and ant proliferative effects of crude hydroalcoholic extract of Equisetum arvense L. and subsequent fractions on AGS cell line  
Ali Karimi, Shahrekord University of Medical Sciences

Studies on the development of the haustorium in Cistanche phelypaea  
Awad Fageer Farah, University of Sirte

Effects of ethanolic extracts of xylopia aethiopica fruits and piper guineense leaves and seeds on selected biochemical indices in male albino rat  
Dr. Chinedu Imo

Understanding the causes of apparent strain variability on alectra vogelii in cowpeas  
Christopher Phiri

Benefits of non-timber forest products to the social-economic life of AFCOM.E2M Communities of southern Cameroon  
AMANG A MBANG J, Institute of Agricultural Research for Development (IRAD), Cameroon

Identification and quantification of phenolic compounds through reversed phase HPLC-DAD method in sunflower seeds under various treatments of potassium nitrate, zinc sulphate and gibberellic acid  
Amin Ullah Jan, Faculty of Biological Sciences

In-vitro Screening of Digitaria exilis L. under different Osmotic Stress  
David Oyinade, Department of Plant Science and Biotechnology

Dynamics of soil carbon emission; soil respiration and its associated controlling factors in the ecosystems  
Deepa Dhital, Nepal Academy of Science and Technology
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaluation of Faba Bean (Vicia faba L.) Varieties resistance to chocolate spot disease</td>
<td>Degife Asefa Zebire</td>
<td>Arba Minch University</td>
</tr>
<tr>
<td>Antifungal activities of the leaf and sap extracts of two endemic aloe species against seed borne fungal pathogen (aspergillus species) of groundnut (arachis hypogaea L)</td>
<td>Dinkayehu Alamniel</td>
<td>Haramaya University</td>
</tr>
<tr>
<td>Anti-inflammatory and anti-nociceptive activity of Citrus albidus extract</td>
<td>Djebbar Atmani</td>
<td>Faculty of Nature and Life Sciences</td>
</tr>
<tr>
<td>Differential responses of root system and gas exchange in contrasting tomato genotypes under phosphorus starvation</td>
<td>Douglas J Marques</td>
<td>Horticulture and Experimentation UNIFENAS, Brazil</td>
</tr>
<tr>
<td>Morphogenetic elaboration of wheat genotypes for drought tolerance</td>
<td>Israr Ahmad</td>
<td>Women University of AJ&amp;K</td>
</tr>
<tr>
<td>Characterization of Fungal Endophytes in Leaves, Stems and Roots of African Yam Bean (Sphenostylis sternocarpa Hochst ex. A. Rich Harms)</td>
<td>Iyabode Kehinde</td>
<td>Federal University of Agriculture</td>
</tr>
<tr>
<td>Diversity of edible and inedible macrofungi in Turgo tropical forest ecosystem Mount Merapi National Park</td>
<td>Dwiki Prasetiya</td>
<td>Yogyakarta State University</td>
</tr>
<tr>
<td>Pastoralism versus Agriculturalism—How Do Altered Land-Use Forms Affect the Spread of Invasive Plants in the Degraded Mutara Rangelands of North-Eastern Rwanda</td>
<td>Jean Damascene Bariyanga</td>
<td>University of Rwanda</td>
</tr>
<tr>
<td>Multi-year Potential for Life on Trappist-1 and other Red Dwarf Star Planets</td>
<td>Joseph Gale</td>
<td>Plant Sciences Inst. of Life Sciences</td>
</tr>
</tbody>
</table>

### Featured Speakers

"Towards non-detriment findings for Bubinga species (Guibourtia demeusei, Guibourtia pellegreniana, and Guibourtia tessmannii) in Cameroon” and also “Quantitative ethobotany of Gnetum africanum (Gnetaceae), a valuable Non Wood Forest Product in Central and West Africa

Jean Lagarde BETTI, University of Douala, Cameroon"
Genetic Resources and Breeding Methodologies for Improving Drought Tolerance in Wheat
Learnmore Mwadzingeni, Agricultural Research Council, RSA

Genetic modification of maize to influence body weight control
Mahdi Tajalifar

The Effects of organic fertilizers on carotenoid compounds and yield in saffron (*Crocus Sativus L. *)
Majid Jafarimoghadam, Tehran Researches and Sciences University

Diversity Plant Science is the major tool for the development of health, basic need of daily life, reduces financial crises, poverty and hunger in the world
Muhammad Usman, Former Director General of Agricultural Research System

Healthy soils with conservation agriculture systems
Mohammad Esmaeil Asadi, Doleston Agricultural Research Center

Genotype X Environment Interaction and Yield Stability of Arabica Coffee (*Coffea arabica L. *)
Genotypes
Lemi Beksisa, Jimma University

Keynote & Speaker Slots Available

Application of Greenhouses for Sustainable Food Production
Abdeen Mustafa Omer, Energy Research Institute, UK

Usage, Curious Features and Ex-situ Conservation Postulates of Latex-producing Plants in the Savanna Region of Nigeria, Africa
Papi, University of Jos

Characterization of ethyl methanesulfonate treated sugarcane callus for in vitro drought stress selection
Dlamini Philani J, University of Zululand

Antagonistic endophytic *Streptomyces* strains, taxonomic characterization, plant growth promoting activities, effect on cocoyam (*Xanthosoma sagittifolium* (L.) Schott) and biochemical constituents
Djuidje Kouomou, Laboratory of Phytoprotection and Valorization of Plants Resources

Serious stem canker and dieback disease threatened incorporation of Agroforestry and field genebanks in Eastern Kenya
SHEILLAH, Plant Pathology and Plant-Micro-Biology, KENYA
<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
<th>Institution/University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effect of potato peel’s compost on evapotranspiration growth of <em>Phaseolus vulgaris</em> l. under salinity</td>
<td>Raffat Saeed, Federal Urdu University of Arts, Science and Technology</td>
<td></td>
</tr>
<tr>
<td>Traditional Medicinal Plant Extracts and Natural Products with Activity against Oral Bacteria: Potential Application in the Prevention and Treatment of Oral Diseases</td>
<td>Bammidi Ramesh</td>
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<tr>
<td>In vitro conservation of heterozygous plants: a case study of date palm</td>
<td>Shawky A. Bekheet, National Research Center</td>
<td></td>
</tr>
<tr>
<td>Flammability and combustibility of Cistus plant groups in Tlemcen region (Algeria)</td>
<td>Smain El-Amine Henaoui, National Forest Research Institute</td>
<td></td>
</tr>
<tr>
<td>PERFORMANCE OF QUINOA (Chenopodium quinoa Willd) VARIETIES IN CONTRASTING ECOLOGICAL AREAS OF MALAWI</td>
<td>Peter Takondwa Muhota, Lilongwe University of Agriculture and Natural Resources (LUANAR)</td>
<td></td>
</tr>
<tr>
<td>Comparative acetylome analysis of wild-type and fuzzless-lintless mutant of upland cotton (Gossypium hirsutum cv. Xuzhou 142) unveils metabolic rearrangement during the fiber development</td>
<td>Prashant Kumar Singh, Henan University, China</td>
<td></td>
</tr>
<tr>
<td>Biosystématique, chorologie et écologie du genre Isoetes de Tunisie</td>
<td>Hmaied Souhir, Institut National Agronomique de Tunisie</td>
<td></td>
</tr>
<tr>
<td>Effect of plant growth regulators on morpho-physiological and yield parameters of some sesame (<em>Sesamum indicum</em> l.) cultivars</td>
<td>S. Behera, Krishi Vigyan Kendra</td>
<td></td>
</tr>
<tr>
<td>Role of epigenetic in tree phenotypic plasticity</td>
<td>Stephane Maury, University Orleans, France</td>
<td></td>
</tr>
<tr>
<td>Studies on alleviation of heat stress in wheat (<em>Triticum aestivum</em> L.)</td>
<td>Subodh Bishnoi, Agricultural Research Station</td>
<td></td>
</tr>
<tr>
<td>Multiple approaches to manage <em>Ceratocystis manginecans</em>, mango quick wilt pathogen</td>
<td>Tanvir Ahmad, University of Agriculture</td>
<td></td>
</tr>
</tbody>
</table>
### Keynote & Speaker Slots Available

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>White birches buds: chemical composition and perspectives for therapy of tumors</td>
<td>Valery A. Isidorov, Bialystok University of Technology</td>
</tr>
<tr>
<td>Plants – Photosynthesis – Eco-philosophy: Pathways to a Sustainable Future</td>
<td>Department of Environmental Science, GB Pant University of Agriculture and Technology</td>
</tr>
<tr>
<td>Combating Abiotic Stress through Changing Gene Expression</td>
<td>Wilson Boardman, Micromix Plant Health Ltd</td>
</tr>
<tr>
<td>Molecular and Phenotypic Screening of Rice cultivars and promising Genotypes with SUB1 QTL for Submergence Tolerance, Stem Elongation and Survival percentage</td>
<td>Zulqarnain Haider, Rice Research Institute</td>
</tr>
<tr>
<td>Formulation Of Plant Volatile Cues And Assessment Of Their Impact On Parasitic Efficiency Of Trichogramma Chilonis</td>
<td>Archna Kumar, Amity Institute of Biotechnology</td>
</tr>
<tr>
<td>Cadmium stress in rice plants: The effect of cadmium on the some chemical parameters in rice (Oriza sativa L.)</td>
<td>Elham Abedi, Science and Research Branch, Tehran, Iran</td>
</tr>
<tr>
<td>Regulation of phytosterol biosynthetic pathway during drought stress in rice</td>
<td>Aruna Tyagi, Biochemistry, IARI, New Delhi, India</td>
</tr>
<tr>
<td>Whole Transcriptome Mapping Reveals Complete Transcription and No Signals of Eukaryotic Processing in Plant Mitochondria</td>
<td>Lucretia Ramnath, Sugarcane Research Institute, South Africa</td>
</tr>
<tr>
<td>The Effect Of Time’s Exposure And Thickness Of Material On Efficacy Of Microwave Energy In Some Different Stages For Some Storage Insects</td>
<td>Mohammed Z. Khalaf, Ministry of Science and Technology</td>
</tr>
</tbody>
</table>

### Featured Speakers

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker/Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enhancing tolerance to high temperatures during flowering period in pearl millet through shuttle breeding</td>
<td>SK Gupta, ICRISAT</td>
</tr>
<tr>
<td>Seed-borne fungi on soybean in Nigeria and their control using Leaf essential oil of Ocimum gratissimum</td>
<td>Ahmed Oladimeji, Plant pathology</td>
</tr>
</tbody>
</table>
Algerian Thymus vulgaris and Origanum vulgare Essential oils: Chemical composition, larvicidal activity and fitness cost of Culex pipiens (Diptera: Culicidae)
Nadia BOUGUERRA, University of Tebessa, Algeria

Management of Sitophilus zeamais and Callosobruchus chinensis using prickly-ash (Zanthoxylum spp)
Ch. M. Shahid Hanif, Department of Entomology, College of Agriculture

AP-MS and organ growth in plants: from cells to tissues
Geert De Jaeger, VIB-Ghent University, Belgium

Dangerous Plants in Dermatology: Legal and Controlled
Deeptej Singh, University of New Mexico School of Medicine

Antifungal Activity of Different Plant Essential Oils against Citrus Blue Mould
Muhammad Zohaib Anjum, University of Sargodha, Pakistan

Identification of endophytic bacterial communities in Pakistani wheat
Tehmina Kiani, COMSATS Institute of Information & Technology Islamabad

Botanical-chemical formulations enhanced yield and protection against Bipolaris sorokiniana in wheat by inducing the expression of pathogenesis-related proteins
Rabia Naz, Department of Biosciences, COMSATS Institute of Information Technology (CIIT)

Fungi diversity associated to Mexican landrace avocado cork disease through PCR ITS-RFLP
Becerra Morales Diana, Universidad Autónoma Chapingo. México

Keynote & Speaker Slots Available

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3rd Global Summit on

Plant Science

August 07-09, 2017  Rome, Italy
### Keynote Forum

**Title: Rapid development of a castor cultivar with increased oil content**  
Grace Chen, U.S. Department of Agriculture, USA

**Title: Natural products from Brazilian biodiversity, a source of new templates for medicinal chemistry**  
Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

**Title: Plant phenolics: New remedies for old disease**  
Djebbar Atmani, University of Bejaia, Algeria

### Sessions:

<table>
<thead>
<tr>
<th>Plant Science and Natural Products</th>
<th>Plant Physiology and Biochemistry</th>
<th>Medicinal and Aromatic Plant Sciences</th>
<th>Arabidopsis</th>
<th>Seed Science and Technology</th>
<th>Photosynthesis</th>
</tr>
</thead>
</table>

**Session Chair:** Grace Chen, U.S. Department of Agriculture, USA  
**Session Co-chair:** Petronia Carillo, University of Campania, Italy

### Workshop on

**Title:** Next-Generation sequencing—basics & applications: Tools and technologies  
Caroline Janitz, Western Sydney University, Australia

### Lunch Break

**Title:** Polyamines and flavonoids of bee pollen with anti-tyrosinase and antioxidant activity  
Mi Kyeong Lee, Chungbuk National University, South Korea

**Title:** Cytotoxic, antidiabetic and anti-inflammatory activities of selected Algerian medicinal plants: From traditional use to scientific validation  
Djebbar Atmani, University of Bejaia, Algeria

**Title:** Anti-ulcer activities of a local plant from Algeria, Clematis flammul  
Dina Atmani-Kilani, University of Bejaia, Algeria

**Title:** Breadfruit (Artocarpus altilis) gibberellin metabolic genes: Stem elongation and abiotic stress response  
Yuchan Zhou, University of the Sunshine Coast, Australia

### Network & Refreshment Break

**Title:** Arabidopsis root formation is altered by cadmium and arsenic  
Laura Fattorini, Sapienza University of Rome, Italy

**Title:** Genetic engineering of PPV resistance in plum rootstock ‘Elita’ ((Prunus pumila L. x P. salicina Lindl.) x (P. cerasifera Ehrh.))  
Sergey Dolgov, Nikita Botanical Gardens, Russia
Title: Determination of polyphenol composition in Hevea brasiliensis and rubber-processing effluent via spectrophotometry and spectroscopy analysis
Aidilla Mubarak, Universiti Malaysia Terengganu, Malaysia

Title: Differential localization of ethylene receptor OsERS1 and OsETR2 in rice and the expression of OsETR2 during submergence
Wing Kin Yip, University of Hong Kong, Hong Kong

Panel Discussion

Day 2    August 08, 2017
Olimpica 1

Keynote Forum
Title: Inferring salt and water distribution in an irrigated crop field using electromagnetic induction techniques
Leon D van Rensburg, University of the Free State, South Africa

Title: Production of marker-free transgenic tomato and apple plants using inducible site-specific recombinase and a bifunctional selectable gene
Sergey Dolgov, Nikita Botanical Gardens, Russia

Workshop on Salt management of irrigated soils
Leon D van Rensburg, University of the Free State, South Africa

Sessions: Plant Pathology and Plant-Micro-Biology | Plant Morphology and Plant Metabolism | Soil Science and Soil-Plant Nutrition | Plant Breeding and Molecular Breeding | Plant Biotechnology and Plant Tissue Culture | Agricultural Science
Session Chair: Vanderlan da S. Bolzani, Sao Paulo State University, Brazil
Session Co-chair: Minkyun Kim, Seoul National University, South Korea

Session Introduction
Title: Effects of acute ozone exposure on the release of stress volatiles, and the expression of a monoterpene synthase gene in Nicotiana tabacum leaves through recovery
Arooran Kanagendran, Estonian University of Life Sciences, Estonia

Title: Study of the mechanisms underlying tomato innate immunity mediated by two Bwr12 genes
Chiu-Ping Cheng, National Taiwan University, Taiwan

Title: Indole-3-butyric acid promotes adventitious rooting in Arabidopsis thin cell layers
Federica Della Rovere, University of Rome, Italy

Title: Complementary interaction of two starch biosynthesis genes confers a mild sugary endosperm in rice
Hee-Jong Koh, Seoul National University, South Korea

Title: Regulation of floral terpenoid emission and biosynthesis in sweet basil (Ocimum basilicum)
Jiayan Ye, Estonian University of Life Sciences, Estonia

Lunch Break

Poster Presentations
Poster Judge: Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

P01 Title: Influence of plant height on chrysanthemum transformed with SHI (Short Internodes related genes)
EunJung Suh, National Institute of Agricultural Science, South Korea

P02 Title: Genome-wide characterization of the Brassica rapa genes encoding serine/arginine-rich proteins: Regulation of alternative splicing events by abiotic stress and hormone treatments
Soo In Lee, National Institute of Agricultural Science, South Korea

P03 Title: Diploid Perilla de novo genome sequencing
Tae-Ho Kim, National Institute of Agricultural Science, South Korea

P04 Title: The polycistronic expression using non-mammalian viral 2A sequences for carotenoid metabolic engineering in rice plants
Sun-Hwa Ha, Kyung Hee University, South Korea

P05 Title: The effect of exogenous applications of salicylic acid at different growth stages to Iraqi wheat cv. Tamooz 2 on the up-regulation of the drought response regulon
Fakhriva M. Kareem, Plymouth University, UK
Title: The effect of sowing rate and variety on the yield, protein content and height of faba beans
Margit Olle, Estonian Crop Research Institute, Estonia

Title: The chemical forms of Fe used as in vivo substrate in uptake process of chloroplast
Brigitta Lantos, Eotvos Lorand University, Hungary

Title: Genetic and epigenetic variability of wild and cultivated watercress (Rorippa nasturtium aquaticum)
Marcela Veronica Gutierrez Velazquez, CIIDIR Durango, Mexico

Title: Phytochemical variation among populations of Fouquieria splendens Engelm (Fouquieriaceae)
Hugo Manuel Monreal Garcia, CIIDIR Durango, Mexico

Title: High-throughput phenotyping of rice using RGB imaging
Kyung-Hwan Kim, National Institute of Agricultural Sciences, South Korea

Title: Influence of symptoms, growth, mineral uptake and ginsenoside contents of Ginseng (Panax ginseng C.A.Meyer) to potassium concentrations in hydroponic culture
Jin Yu, Department of Herbal Crop Research, NIHHS, South Korea

Title: The grain yield and photosynthetic characteristics responses of rice to oxygen status in rhizosphere as affected by soil aeration
Qianyu Jin, China National Rice Research Institute, China

Title: Transcriptome analysis of dwarf soybean derived from crossing of G. max and G. soja
Chanseok Shin, Seoul National University, South Korea

Title: A blend of volatile compounds emitted from Alcaligenes faecalis modulated hormonal pathways and ion transporters to induce salt tolerance in Arabidopsis thaliana
Yong Hoon Lee, Chonbuk National University, Republic of Korea

Title: P. nodorum effectors resistance among Polish wheat and triticale germplasm
Jakub Walczewski, Plant Breeding and Acclimatization Institute (IHAR), Poland

Sessions: Plant Pathology and Plant-Micro-Biology | Plant Morphology and Plant Metabolism | Soil Science and Soil-Plant Nutrition | Plant Breeding and Molecular Breeding | Plant Biotechnology and Plant Tissue Culture | Agricultural Science

Title: The roc10, a rice hd-zip transcription factor gene, modulates lignin biosynthesis for drought tolerance
Ju-Kon Kim, Seoul National University, South Korea

Title: Analysis of OsmiR399 expression and down-regulation of LTN1 in rice
Minkyun Kim, Seoul National University, South Korea

Title: Stomata closure and pre-exposure to low-level O₃ protect leaves against high-level O₃-induced damage in Phaseolus vulgaris
Shuai Li, Estonian University of Life Sciences, Estonia

Title: Arsenic and cadmium affect the crosstalk between auxin and jasmonate in Oryza sativa L.
Marilena Ronzan, Sapienza University of Rome, Italy

Network & Refreshment Break

Poster Presentations

Poster Judge: Grace Chen, UtS Department of Agriculture, USA

Title: Roles of Arabidopsis ALDH10 enzymes in plant development and stress resistance
Florian Jacques, University of Technology of Compiegne, France

Title: Novel identification of CBF genes in rye and phylogenetic relationship in the Triticeae
Yong Weon Seo, Korea University, South Korea

Title: Biochemical characterisation of maize landraces for grain quality improvement
Danijela Ristic, Maize Research Institute Zemun Polje, Serbia

Title: Application of molecular markers (SSRs) in foreground selection for maize quality traits
Marija Kostadinovic, Maize Research Institute Zemun Polje, Serbia
Title: A new species of the genus *Malenchus* (Nematoda; Tylenchidae) from the rhizosphere of forest trees in northern Iran

Majid Pedram, Tarbiat Modares University, Iran

Title: Investigation of certain elicitor’s effect on some gene’s (TXS, TBT, and DBAT) relative expression level and paclitaxel production in *Taxus baccata* cell suspension culture

Mokhtar Jalali Javaran, Tarbiat Modares University, Iran

Title: Identification of gene sequences involved in chicoric acid biosynthesis pathway in *Echinacea purpurea* through RNA-SEQ transcriptome analysis

Mohammad Sadegh Sabet, Tarbiat Modares University, Iran

Title: Survey of five *Artemisia* species with different artemisinin contents in view of relative expression of 13 genes involved in artemisinin production, karyology, and nuclear DNA content

Ghasem Karimzadeh, Tarbiat Modares University, Iran

Title: Novel medium for enhancing callus growth in hazel (*Corylus avellana* L.)

Ahmad Moieni, Tarbiat Modares University, Iran

Title: Genome-wide screening and functional characterization of long intergenic noncoding rnas in Arabidopsis

Choonkyun Jung, Seoul National University, South Korea

Title: Oxalates assessment in the roots and shoots of taro (*Colocasia esculenta* (L.) Schott) submitted to drought conditions

Carla S.S Gouveia, University of Madeira, Portugal

Title: Characterization of *Avena* germplasm collection in National Centre for Plant Genetic Resources, Radzikow, Poland

Jerzy Czembor, Institute of Plant breeding and acclimatization - National Research Institute, Poland

Title: Morphological and molecular study of *Cryptaphelenchus* sp. (Nematoda, Ektaphelenchinae) associated with dead and dying pine trees in Iran

Majid Pedram, Tarbiat Modares University, Iran

Title: Increased resistance to virus infection through overexpression of some important host genes involved in plant defense in potato (*Solanum tuberosum* L.)

Mohammad Sadegh Sabet, Tarbiat Modares University, Iran

Title: UV illumination on *Crithmum maritimum* *in vitro* cell culture: A biomimetic approach

Julien Fouilland, France
Title: Performance of rice varieties under rainfed condition in wet and dry tropics of Queensland, Australia
Sachesh Silwal, CQUniversity, Australia

Title: Phytochemical screening and in vitro free radical scavenging activity of different solvent extracts from Convolvulus virgatus Boiss
Taoufik Saleh Ksiksi, UAE University, UAE

Title: Construct a high-density genetic map in upland cotton and its application to genetic regulation analysis for yield and fiber quality traits
Youlu Yuan, Chinese Academy of Agricultural Sciences, China

Title: NPR1 mediated the cross talk between salicylate- and jasmonate- mediated pathways in Carica papaya in response to Phytophthora palmivora
Rui Zong Jia, China Academy of Tropical Agricultural Sciences, China

Title: Functional analysis of ALSAP domains “a20/an1” in abiotic stress tolerance mechanism
Omar Moustafa Azab, King Saud University, Saudi Arabia

Title: Phylogenetic study of indigenous pulses based on morphological and inter simple sequence repeat (ISSR) marker
Filemon Yusuf, Bogor Agricultural University, Indonesia

Lunch Break
Network & Refreshment Break
Awards Ceremony

Bookmark your dates

5th Global Summit on
Plant Science
October 29-30, 2018 Madrid, Spain

E: plantscience@conferenceseries.net; plantscience@plantscienceconferences.com
W: plantscience.global-summit.com
Title: The tomato expression atlas: A new platform and database for interrogating fruit crop gene expression and co-expression with cell-type resolution
Jocelyn K C Rose, Cornell University, USA

Title: Gall inducers and host plants: Engineers of habitats and the importance of understanding the changes in plant metabolism
André Luis de Alcantara Guimarães, Federal University of Rio de Janeiro, Brazil

Networking & Refreshment Break

Title: Genetic and agronomic approaches to reducing the acrylamide-forming potential of wheat
Nigel G Halford, Rothamsted Research, UK

Title: Bee-flower interactions and biodiversity
Aluri Jacob Solomon Raju, Andhra University, India

Special Session
Title: A new model of global redox carbon cycle and photosynthesis development
Alexander Ivlev, Russian State Agrarian University of K. A. Timiryazev, Russia

Session:
- Plant Tissue Culture and Plant Biotechnology
- Plant Breeding and Molecular Breeding
- Nanotechnology and Plant Sciences
- Seed Science
- Plant Pathology and Plant-Microbe Biology
- Plant Synthetic Biology
- Plant Environmental Sciences

Session Chair: Kevin Yueju Wang, Northeastern State University, USA
Session Co-chair: Synan AbuQamar, United Arab Emirates University, UAE

Title: Seed-derived plasminogen activators (t-PA and DSPAα1) dissolve fibrin and blood clot
Kevin Yueju Wang, Northeastern State University, USA

Group Photo

Lunch Break

Title: Production of pharmacologically active compounds via plant tissue culture
Somika Bhatnagar, National University of Singapore, Singapore
Title: Aluminium toxicity and signal transduction in cell suspensions of Coffea arabica
Teresa Hernández Sotomayor, Centro de Investigacion Cientifica de Yucatan, México
Title: Application of plant tissue culture techniques for bio-resources recovery
Rakhi Chaturvedi, Indian Institute of Technology Guwahati, India
Title: Protocol for synthetic seeds production in nabq (Ziziphus spina-christi L)
Doaa S Elazab, Assiut University, Egypt
Title: The influence of genomic contamination on the performance of Illumina strand-specific RNA-Seq
Caroline Janitz, Western Sydney University, Australia

Networking & Refreshment Break

Title: Identification of genes involved in responses to environmental stress using reverse genetic approaches
Synan AbuQamar, United Arab Emirates University, UAE
Title: Elicitation: An effective strategy for the biotechnological production of bioactive compounds
Sedigheh Esmaeilzadeh Bahabadi, University of Zabol, Zabol, Iran
Title: Rice strategy for Nepal
Bhaba Prasad Tripathi, International Rice Research Institute (IRRI), Philippines
Title: Maize host resistance to *Aspergillus flavus* infection/aflatoxin contamination through breeding and omics

Robert L Brown, USDA Agricultural Research Service, USA

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**Panel Discussion**

**Session Adjournment**

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**Concorde Suite 3**

**Keynote Forum**

**Day 2  October 07, 2016**

**Introduction**

Title: Transgenic approaches to control aflatoxin contamination in maize and cottonseed

Kanniah Rajasekaran, USDA-ARS, USA

Title: Restructuring vegetable fats for better infant nutrition

Harrie van Erp, Rothamsted Research, UK

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**Networking and Refreshments**

Title: Metabolic engineering for improved hydroxy fatty acid production in *Lesquerella*

Grace Chen, U.S. Department of Agriculture, USA

**Sessions:**

- Agricultural Science
- Horticulture and Landscaping
- Plant Science and Natural Products
- Plant Biodiversity and conservation
- Plant Physiology and Biochemistry
- Soil Science and Soil-plant Nutrition
- Plant Genomics
- Plant Genetics and Epigenetics

**Session Chair:** Abhishek Mani Tripathi, Global Change Research Center ASCR, Czech Republic

**Session Co-chair:** Rajinder Singh, Malaysian Palm Oil Board, Malaysia

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**Session Introduction**

Title: Adaptation to climate change (micro) in agroforestry systems

Abhishek Mani Tripathi, Global Change Research Center ASCR, Czech Republic

Title: Pollen tube guidance: The interplay between male and female gametophytes

Wei-Cai Yang, Institute of Genetics and Developmental Biology, China

Title: Genomics guided breeding for oil palm improvement

Rajinder Singh, Malaysian Palm Oil Board, Malaysia

Title: Prediction of agro meteorological rice yield models for surat district, India

Vivek L Manekar, S V National Institute of Technology, India

Title: Agro-climatic sugarcane yield model for Surat district, India

Nitin Bharadiya, S V National Institute of Technology, India

**Lunch Break**

Title: Farmers perceived effects of soil degradation on the yield of improved cassava varieties in south east Nigeria

Nwaiwu Juan Chinatu, Imo State University Owerri, Nigeria

Title: Enhancing the biosynthesis of essential oil and bioactive compounds in *Agathosma betulina* using *in vitro* micropropagation technique

Ambrose Okem, Cape Peninsula University of Technology, South Africa

Title: Ethno-botanical studies on medicinal plants used for the treatment of skin infections in the Eastern Cape, South Africa

Learnmore Kambizi, Cape Peninsula University of Technology, South Africa

Title: Evaluation of ginger (*Zingiber officinale*) extracts on quality of stored tomatoes

Ogbuehi Hyginus chikaodi, Imo State University, Nigeria

Title: Development of SCAR markers in date palm (*Phoenix dactylifera* L.) and jojoba (*Simmondsia chinensis* Schneider) for early sex identification

Pushpa Kharb, CCS Haryana Agricultural University, India

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**Poster Session**

**Networking & Refreshment Break**

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**Young Researcher Forum**

**YRF Judge:** Grace Chen, U.S. Department of Agriculture, USA
<table>
<thead>
<tr>
<th>Title</th>
<th>Poster Judge</th>
<th>University/Affiliation</th>
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</thead>
<tbody>
<tr>
<td>The lack of aluminium has a negative impact on Qualea dichotoma (mart) warm (Vochysiaceae) metabolism and anatomical structure</td>
<td>Michelle Fayad-Andre, University of Brasilia, Brazil</td>
<td></td>
</tr>
<tr>
<td>GC-MS-based metabolic analysis to help unravelling the biological role of aluminium (Al) in Qualea grandiflora Mart. (Vochysiaceae)</td>
<td>Renata Cristina Costa e Silva, University of Brasilia, Brazil</td>
<td></td>
</tr>
<tr>
<td>Title: High utilization efficiency of Nitrogen and phosphorus nutrient in crops</td>
<td>Wenzhu Yang, Chinese Academy of Agricultural Sciences, China</td>
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<tr>
<td>The place of adequate plant nutrition in future plant disease management</td>
<td>Idorenyin Antigha Otung, Akwa Ibom State University, Nigeria</td>
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<tr>
<td>Genetic diversity of some cowpea (Vigna unguiculata l. Walp) landraces from nigeria base on microsatellite markers</td>
<td>Iseghohi Innocent O, Federal University, Nigeria</td>
<td></td>
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<tr>
<td>The efficacy of Aloe vera gel in post procedural wound care after fractional 1550 nm erbium-doped fiber laser</td>
<td>Montree Udompataikul, Srinakharinwirot University, Thailand</td>
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</tr>
</tbody>
</table>

**Panel Discussion**

**Poster Presentations @ Concorde Foyer**

<table>
<thead>
<tr>
<th>PS-101</th>
<th>Title: Bioactive compounds identification and antibacterial activity of the essential oil of chamomile and yarrow species Banaz Mahmood, Plymouth University, UK</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS-102</td>
<td>Title: Tissue-specific expression of Arabidopsis Toc homologous genes encoding plastid protein receptors by transgenic plants Chih-Wen Sun, National Taiwan Normal University, Taiwan</td>
</tr>
<tr>
<td>PS-103</td>
<td>Title: Transcriptome analysis of Cucumis metuliferus-Meloidogyne incognita interaction reveals key genes that play important role in resistance to the pest Deyou Ye, Gansu Academy of Agricultural Sciences, China</td>
</tr>
<tr>
<td>PS-104</td>
<td>Title: A light-regulated transcription factor can regulate lycopene accumulation in tomato fruit Hsu-Liang Hsieh, National Taiwan University, Taiwan</td>
</tr>
<tr>
<td>PS-105</td>
<td>Title: Studies of abiotic and biotic stress in suspension cells of Capsicum chinense Jacq Munoz-Sanchez Jose Armando, Centro de Investigación Científica de Yucatán, Mexico</td>
</tr>
<tr>
<td>PS-106</td>
<td>Title: Molecular mapping of adult plant stripe rust resistance in durum wheat Naeela Qureshi, University of Sydney, Australia</td>
</tr>
<tr>
<td>PS-107</td>
<td>Title: Development of ISSR markers specific to mint species Nidaf Khan, Central Institute of Medicinal and Aromatic Plants, India</td>
</tr>
<tr>
<td>PS-108</td>
<td>Title: Seasonal soil nitrogen dynamics management and its effect on rice agronomic performances in the rainfed lowland cropping system of Burkina Faso Poulouma Louis Yameogo, University of Bonn, Germany</td>
</tr>
<tr>
<td>PS-109</td>
<td>Title: Biochemical comparison of two cytotypes (diploid &amp; tetraploid) of Physalis angulata L., an important medicinal plant Raman Preet, Punjabi University, India</td>
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<tr>
<td>PS-110</td>
<td>Title: Effect of nano packing and aluminum on deterioration of soybean and corn seed in different storage condition Farhad Barazandeh, Shaqra University, Iran</td>
</tr>
<tr>
<td>PS-111</td>
<td>Title: Water-use efficiency and epicuticular wax load in bloom and bloomless phenotypes of Sorghum bicolor L Salma Bibi, Texas A &amp; M University, USA</td>
</tr>
<tr>
<td>PS-112</td>
<td>Title: Cryopreservation of Citrus maxima embryonic axes using advanced cryo-techniques and establishment of base collection Sukhdeep Kaur, ICAR-National Bureau of Plant Genetic Resources, India</td>
</tr>
<tr>
<td>PS-113</td>
<td>Title: The intergenic region of the maize defensin-like protein genes Def1 and Def2 functions as an embryo-specific asymmetric bidirectional promoter Xiaqing Liu, Chinese Academy of Agricultural Sciences, China</td>
</tr>
<tr>
<td>PS-114</td>
<td>Title: Effect of fertigation on soil chemical properties in production of fl uted pumpkin (Teliferiar occidentalis) ADEDEJI Olufemi Ayokunle, Adeyemi College of Education, Nigeria</td>
</tr>
</tbody>
</table>
Title: Characterisation of responses of tomato (Solanum lycopersicum) genotypes to root-knot nematode (Meloidogyne incognita)

Seloame T Nyaku, University of Ghana, Ghana

Day 3 October 08, 2016
Extended Networking & Lunch @ Aromi Resturant