Plant Science 2018

Theme: Plants in a Changing Environment

October 29-30, 2018
Valencia, Spain

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Plant Science 2018

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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• 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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### Keynote Forum

Indigenous medicinal plants have served and continue to serve a critical role in the development of pharmaceuticals and therapeutic agents  
**Amy L. Greeson, Natural Discoveries, Inc. High Point, USA**

**Picotechnology** 340pm / 600pm Evaluation of Soysap Formula S-101 and S-102 For Activity Against Gram-Positive PlantPathogenic Bacteriaon  
**Anne K. Vidaver, Emerita University of Nebraska, USA**

**Application of Greenhouses for Sustainable Food Production**  
**Abdeen Omer PhD, ERI, UK**

**Combating Abiotic Stress through Changing Gene Expression**  
**Wilson Boardman, Micromix Plant Health Ltd, UK**

**Control of bud dormancy in apple**  
**Fernando Andrés, Univ Montpellier, France**

**Maturity group classification and genetic diversity analysis of flowering time and maturity genes in African soybean germplasm**  
**Dalia Kamal, China, Beijing**

**Identification of candidate genes involved in Arabidopsis responses to abiotic and biotic stresses using a transcriptomic**  
**Synan F AbuQamar, United Arab Emirates University, UAE**

**Potentiometry in antioxidant activity evaluation of microsuspensions, extracts and living plants**  
**Khiena Brainina, USUE, Russian Federation**

The influence of climate changes on BYDV infection and Rhopalosiohum padi development  
**Jarosova Jana Crop Research Institute, Drnovská The Czech Republic**

**Cesium is a specific inhibitor of the AKT1-KC1 complex-mediated potassium influx in Arabidopsis**  
**Ryoung Shin, RIKEN Center for Sustainable Resource Science, Japan**

**Padina sp. is an extracellular calcifying macro algae with aragonite needle-shaped CaCO3 morphology**  
**Miriam Benita**

**The rice Rolled Fine Striped (RFS) CHD3/Mi-2 chromatin remodeling factor epigenetically regulates genes involved in reactive oxygen species**  
**Nam-Chon Paek, Seoul National University, Korea**
## Featured Speakers

**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*

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### Keynote Slots & Speaker Available

**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**

*Abdulrahem 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 activity of essential oil from Anethum graveolens L. growing wild in South West of Algeria on the fungic growth**

*Achraf Khaledi, 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*
## Featured Speakers

<table>
<thead>
<tr>
<th>Topic</th>
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<tr>
<td>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</td>
<td>Amin Ullah Jan, Faculty of Biological Sciences</td>
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<td>In-vitro Screening of Digitaria exilis L. under different Osmotic Stress</td>
<td>David Oyinade, Department of Plant Science and Biotechnology</td>
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<td>Dynamics of soil carbon emission; soil respiration and its associated controlling factors in the ecosystems</td>
<td>Deepa Dhital, Nepal Academy of Science and Technology</td>
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<tr>
<td>Evaluation assessment of new genotypes of fababean under rainfed conditions of ninavaha governorete</td>
<td>Al-Tawel, College of Agriculture and Forestry</td>
</tr>
<tr>
<td>A successful artificial pollination, pod formation, seed germination and acclimatization of dendrobi um orchids</td>
<td>Ameer Ahmed Mirbahar, Shah Abdul Latif University</td>
</tr>
<tr>
<td>In vitro antioxidant and ant proliferative effects of crude hydroalcoholic extract of Equisetum arvense L. and subsequent fractions on AGS cell line</td>
<td>Ali Karimi, Shahrekord University of Medical Sciences</td>
</tr>
<tr>
<td>Studies on the development of the haustorium in Cistanche phelypaea</td>
<td>Awad Fageer Farah, University of Sirte</td>
</tr>
<tr>
<td>Effects of ethanolic extracts of xylopia aethiopica fruits and piper guineense leaves and seeds on selected biochemical indices in male albino rat</td>
<td>Dr. Chinedu Imo</td>
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<tr>
<td>Understanding the causes of apparent strain variability on alectra vogelii in cowpeas</td>
<td>Christopher phiri</td>
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<tr>
<td>Benefits of non-timber forest products to the social-economic life of AFOM.E2M Communities of southern Cameroon</td>
<td>AMANG A MBANG J, Institute of Agricultural Research for Development (IRAD), Cameroon</td>
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## Keynote & Speaker Slots Available

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<td>Evaluation of Faba Bean <em>(Vicia faba L.)</em> Varieties resistance to chocolate spot disease</td>
<td>Degife Asefa Zebire, Arba Minch University</td>
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<td>Antifungal activities of the leaf and sap extracts of two endemic aloe species against seed borne fungal pathogen <em>(Aspergillus species)</em> of groundnut <em>(Arachis hypogaea L.)</em></td>
<td>Dinkayehu Alamniel, Haramaya University</td>
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<td>Anti-inflammatory and anti-nociceptive activity of Citrus albidus extract</td>
<td>Djebar Atmani, Faculty of Nature and Life Sciences</td>
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<td>Differential responses of root system and gas exchange in contrasting tomato genotypes under phosphorus starvation</td>
<td>Douglas J Marques, Horticulture and Experimentation UNIFENAS, Brazil</td>
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<td>Morphogenetic elaboration of wheat genotypes for drought tolerance</td>
<td>Israr Ahmad, Women University of AJ&amp;K</td>
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<td>Characterization of Fungal Endophytes in Leaves, Stems and Roots of African Yam Bean <em>(Sphenostylis sternocarpa Hochst ex. A. Rich Harmst)</em></td>
<td>Iyabode Kehinde, Federal University of Agriculture</td>
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<td>Diversity of edible and inedible macrofungi in Turgo tropical forest ecosystems Mount Merapi National Park</td>
<td>Dwiki Prasetiya, Yogyakarta State University</td>
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<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 Damascus Bariyanga, University of Rwanda</td>
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<td>Multi-year Potential for Life on Trappist-1 and other Red Dwarf Star Planets</td>
<td>Joseph Gale, Plant Sciences Inst. of Life Sciences</td>
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<tr>
<td>&quot;Towards non-detriment findings for Bubinga species <em>(Guibourtia demeusei, Guibourtia pellegreniana, and Guibourtia tessmannii)</em> in Cameroon&quot; and also “Quantitative ethobotany of Gnetum africanum (Gnetaceae), a valuable Non Wood Forest Product in Central and West Africa</td>
<td>Jean Lagarde BETTI, University of Douala, Cameroon</td>
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### Featured Speakers

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<td>Genotype X Environment Interaction and Yield Stability of Arabica Coffee (Coffea arabica L.) Genotypes</td>
<td>Lemi Bekisia, Jimma University</td>
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<td>Genetic modification of maize to influence body weight control</td>
<td>Mahdi Tajalifar</td>
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<td>The Effects of organic fertilizers on carotenoid compounds and yield in saffron (Crocus Sativus L.)</td>
<td>Majid Jafarimoghadam, Tehran Researches and Sciences University</td>
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<td>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</td>
<td>Muhammad Usman, Former Director General of Agricultural Research System</td>
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<td>Papi, University of Jos</td>
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<td>Dlamini Philani J, University of Zululand</td>
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<td>Antagonistic endophytic Streptomyces strains, taxonomic characterization, plant growth promoting activities, effect on cocoyam (Xanthosoma sagittifolium L. Schott) and biochemical constituents</td>
<td>Djuidje Kouomou, Laboratory of Phytoprotection and Valorization of Plants Resources</td>
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<td>Serious stem canker and dieback disease threatened incorporation of Agroforestry and field genebanks in Eastern Kenya</td>
<td>SHEILLAH, Plant Pathology and Plant-Micro-Biology, KENYA</td>
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<td>Effect of potato peel's compost on evapotranspiration growth of <em>Phaseolus vulgaris</em> L. under salinity</td>
<td>RAFA T SAEED, Federal Urdu University of Arts, Science and Technology</td>
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<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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<td>In vitro conservation of heterozygous plants: a case study of date palm</td>
<td>Shawky A. Bekheet, National Research Center</td>
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<td>Flammability and combustibility of Cistus plant groups in Tlemcen region (Algeria)</td>
<td>Smain El-Amine Henaoui, National Forest Research Institute</td>
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<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>
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<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>
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<td>Biosystématique, chorologie et écologie du genre Isoetes de Tunisie</td>
<td>HMAIED Souhir, Institut National Agronomique de Tunisie</td>
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<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>
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<td>Role of epigenetic in tree phenotypic plasticity</td>
<td>Stephane Maury, University Orleans, France</td>
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<td>Studies on alleviation of heat stress in wheat (<em>Triticum aestivum</em> L.)</td>
<td>Subodh Bishnoi, Agricultural Research Station</td>
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<td>Multiple approaches to manage Ceratocystis manginecans, mango quick wilt pathogen</td>
<td>Tanvir Ahmad, University of Agriculture</td>
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**Keynote & Speaker Slots Available**
Featured Speakers

White birches buds: chemical composition and perspectives for therapy of tumors
Valery A. Isidorov, Bialystok University of Technology

Plants – Photosynthesis – Eco-philosophy: Pathways to a Sustainable Future
Department of Environmental Science, GB Pant University of Agriculture and Technology

Combating Abiotic Stress through Changing Gene Expression
Wilson Boardman, Micromix Plant Health Ltd

Molecular and Phenotypic Screening of Rice cultivars and promising Genotypes with SUB1 QTL for Submergence Tolerance, Stem Elongation and Survival percentage
Zulqarnain Haider, Rice Research Institute

Formulation Of Plant Volatile Cues And Assessment Of Their Impact On Parasitic Efficiency Of Trichogramma Chilonis
Archna Kumar, Amity Institute of Biotechnology

The Effect Of Time's Exposure And Thickness Of Material On Efficacy Of Microwave Energy In Some Different Stages For Some Storage Insects
Mohammed Z. Khalaf, Ministry of Science and Technology

Enhancing tolerance to high temperatures during flowering period in pearl millet through shuttle breeding
SK Gupta, ICRISAT

Seed-borne fungi on soybean in Nigeria and their control using Leaf essential oil of Ocimum gratissimum
Ahmed Oladimeji, Plant pathology

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)

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

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Plant Science

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Day 1  August 07, 2017

Registrations

Olimpica 1

Keynote Forum

Introduction

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
Djebar Atmani, University of Bejaia, Algeria

Group Photo

Network & Refreshment Break

Sessions: Plant Science and Natural Products | Plant Physiology and Biochemistry | Medicinal and Aromatic Plant Sciences | Arabidopsis | Seed Science and Technology | Photosynthesis

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

Session Introduction

Title: Enhancing NGS performance through improvements in template preparation procedure
Caroline Janitz, Western Sydney University, Australia

Title: Physiological impacts on coffee plants submitted to water deficiency
Fernando Broetto, Sao Paulo State University, Brazil

Title: What is the best possible response of plants to combined stresses? Indeed the simplest one
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
Djebar 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
Title: Salt management of irrigated soils
Leon D van Rensburg, University of the Free State, South Africa

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 thaliana 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

Poster Presentations
Poster Judge: Vanderlan da S. Bolzani, Sao Paulo State University, Brazil
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 aerations
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: 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 O$_3$ protect leaves against high-level O$_3$-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 approache

*Julien Fouilland*, France

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**Day 3  August 09, 2017**

**Sessions: Forest Science and Technology | Plant Genetics and epigenetics | Plant Genome Sciences | Plant Synthetic Biology**

**Session Chair:** Dina Atmani-Kilani, University of Bejaia, Algeria

**Session Introduction**

*Title: Glandular tichomes as a barrier against atmospheric oxidative stress*

*Shuai Li*, Estonian University of Life Sciences, Estonia

*Title: Nitrogen transformation characters in soil, use efficiency and rice grain yield as affected by soil aeration*

*Lianfeng Zhu*, China National Rice Research Institute, China

*Title: To flower or not to flower? The crucial decision of *Lilium longiflorum* bulbs*

*Silit Lazare*, Ben Gurion University, Israel

*Title: Barley stem reserves and yield maintenance under terminal drought: Molecular dissection of fructan biosynthesis and remobilization*

*Zahra Sadat Shobbar*, Agriculture Biotechnology Research Institute of Iran, Iran

**Network & Refreshment Break**

*Title: Germplasm identification and salinity- tolerant gene isolation on *G. hirsutum* L.

*Wuwei Ye*, Chinese Academy of Agricultural Sciences, China
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
Scientific Program

Proceedings of
2nd Global Summit on

PLANT SCIENCE

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Keynote Forum

Introduction

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

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 DSPA1) 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 Esmailizadeh 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

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

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 Genomics and Epigenetics

Session Chair: Abhishek Mani Tripathi, Global Change Research Center ASCR, Czech Republic
Session Co-chair: Rajinder Singh, Malaysian Palm Oil Board, Malaysia

Lunch Break

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

Poster Session

Networking & Refreshment Break

Young Researcher Forum

YRF Judge: Grace Chen, U.S. Department of Agriculture, USA
Title: The lack of aluminium has a negative impact on *Qualea dichotoma* (mart) warm (*Vochysiaceae*) metabolism and anatomical structure

Michelle Fayad-Andre, University of Brasilia, Brazil

Title: GC-MS-based metabolic analysis to help unravelling the biological role of aluminium (Al) in *Qualea grandiflora* Mart. (*Vochysiaceae*)

Renata Cristina Costa e Silva, University of Brasilia, Brazil

Title: High utilization efficiency of Nitrogen and phosphorus nutrient in crops

Wenzhu Yang, Chinese Academy of Agricultural Sciences, China

Title: The place of adequate plant nutrition in future plant disease management

Idorenyin Antigha Otung, Akwa Ibom State University, Nigeria

Title: Genetic diversity of some cowpea (*Vigna unguiculata* L. Walp) landraces from nigerian base on microsatellite markers

Iseghohi Innocent O, Federal University, Nigeria

Title: The efficacy of *Aloe vera* gel in post procedural wound care after fractional 1550 nm erbium-doped fiber laser

Montree Udompataikul, Srinakharinwirot University, Thailand

Title: Bioactive compounds identification and antibacterial activity of the essential oil of *chamomile* and *yarrow* species

Banaz Mahmood, Plymouth University, UK

Title: Tissue-specific expression of *Arabidopsis* Toc homologous genes encoding plastid protein receptors by transgenic plants

Chih-Wen Sun, National Taiwan Normal University, Taiwan

Title: Transcriptome analysis of *Cucumis metuliferus-Meliodogyne incognita* interaction reveals key genes that play important role in resistance to the pest

Deyou Ye, Gansu Academy of Agricultural Sciences, China

Title: A light-regulated transcription factor can regulate lycopene accumulation in tomato fruit

Hsu-Liang Hsieh, National Taiwan University, Taiwan

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

Title: Molecular mapping of adult plant stripe rust resistance in durum wheat

Naeela Qureshi, University of Sydney, Australia

Title: Development of ISSR markers specific to mint species

Nidaf Khan, Central Institute of Medicinal and Aromatic Plants, India

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

Title: Biochemical comparison of two cytotypes (diploid & tetraploid) of *Physalis angulata* L., an important medicinal plant

Raman Preet, Punjabi University, India

Title: Effect of nano packing and aluminum on deterioration of soybean and corn seed in different storage condition

Farhad Barazande, Shaqra University, Iran

Title: Water-use efficiency and epicuticular wax load in bloom and bloomless phenotypes of *Sorghum bicolor* L

Salma Bibi, Texas A & M University, USA

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

Title: The intergenic region of the maize defensin-like protein genes Def1 and Def2 functions as an embryo-specific asymmetric bidirectional promoter

Xiaoqing Liu, Chinese Academy of Agricultural Sciences, China

Title: Cryopreservation of *Citrus maxima* embryonic axes using advanced cryo-techniques and establishment of base collection

ADEDEJI Olufemi Ayokunle, Adeyemi College of Education, Nigeria
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 Restaurant