

3rd Global Summit on

Plant Science

August 07-09, 2017 Rome, Italy



Conference Series - America

One Commerce Center-1201, Orange St. #600, Wilmington, Zip 19899, Delaware, USA
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Conference Series - UK

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08:00-08:30 Registrations

Olimpica 1

conference**series**.com 08:30-09:00

Opening Ceremony

Keynote Forum

09:00-09:10 Introduction

09:10-09:40 Title: **Rapid development of a castor cultivar with increased oil content**

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

09:40-10:10 Title: **Natural products from Brazilian biodiversity, a source of new templates for medicinal chemistry**

Vanderlan da S. Bolzani, Sao Paulo State University, Brazil

10:10-10:40 Title: **Plant phenolics: New remedies for old disease**

Djebbar Atmani, University of Bejaia, Algeria

Group Photo 10:40-10:50

Network & Refreshment Break 10:50-11:05 @ Foyer

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

11:05-11:30 Title: **Enhancing NGS performance through improvements in template preparation procedure**

Caroline Janitz, Western Sydney University, Australia

11:30-11:55 Title: **Physiological impacts on coffee plants submitted to water deficiency**

Fernando Broetto, Sao Paulo State University, Brazil

11:55-12:20 Title: **What is the best possible response of plants to combined stresses? Indeed the simplest one**

Petronia Carillo, University of Campania, Italy

Workshop on

12:20-13:00 Title: **Next-Generation sequencing—basics & applications: Tools and technologies**

Caroline Janitz, Western Sydney University, Australia

Lunch Break: 13:00-14:00 @ Hotel Restaurant

14:00-14:25 Title: **Polyamines and flavonoids of bee pollen with anti-tyrosinase and antioxidant activity**

Mi Kyeong Lee, Chungbuk National University, South Korea

14:25-14:50 Title: **Cytotoxic, antidiabetic and anti-inflammatory activities of selected Algerian medicinal plants: From traditional use to scientific validation**

Djebbar Atmani, University of Bejaia, Algeria

14:50-15:15 Title: **Anti-ulcer activities of a local plant from Algeria, *Clematis flammul***

Dina Atmani-Kilani, University of Bejaia, Algeria

15:15-15:40 Title: **Breadfruit (*Artocarpus altilis*) gibberellin metabolic genes: Stem elongation and abiotic stress response**

Yuchan Zhou, University of the Sunshine Coast, Australia

Network & Refreshment Break 15:40-16:00 @ Foyer

- 16:00-16:25** Title: **Arabidopsis root formation is altered by cadmium and arsenic**
Laura Fattorini, Sapienza University of Rome, Italy
- 16:25-16:50** 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
- 16:50-17:15** Title: **Determination of polyphenol composition in *Hevea brasiliensis* and rubber-processing effluent via spectrophotometry and spectroscopy analysis**
Aidilla Mubarak, Universiti Malaysia Terengganu, Malaysia
- 17:15-17:40** 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

- 09:00-09:30** 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
- 09:30-10:00** 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

- 10:00-10:40** Title: **Salt management of irrigated soils**
Leon D van Rensburg, University of the Free State, South Africa

Network & Refreshment Break 10:40-11:00 @ Foyer

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

- 11:00-11:25** 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
- 11:25-11:50** Title: **Study of the mechanisms underlying tomato innate immunity mediated by two Bwr12 genes**
Chiu-Ping Cheng, National Taiwan University, Taiwan
- 11:50-12:15** Title: **Indole-3-butyric acid promotes adventitious rooting in *Arabidopsis* thin cell layers**
Federica Della Rovere, University of Rome, Italy
- 12:15-12:40** Title: **Complementary interaction of two starch biosynthesis genes confers a mild sugary endosperm in rice**
Hee-Jong Koh, Seoul National University, South Korea
- 12:40-13:05** Title: **Regulation of floral terpenoid emission and biosynthesis in sweet basil (*Ocimum basilicum*)**
Jiayan Ye, Estonian University of Life Sciences, Estonia

Lunch Break 13:05-14:05 @ Restaurant

Poster Presentations 14:05-14:35 @ Foyer

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 Sciences, 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**
Fakhriya M. Kareem, Plymouth University, UK
- P06** 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
- P07** Title: **The chemical forms of Fe used as in vivo substrate in uptake process of chloroplast**
Brigitta Lantos, Eotvos Lorand University, Hungary
- P08** Title: **Genetic and epigenetic variability of wild and cultivated watercress (*Rorippa nasturtium aquaticum*)**
Marcela Veronica Gutierrez Velazquez, CIIDIR Durango, Mexico
- P09** Title: **Phytochemical variation among populations of *Fouquieria splendens* Engelm (*Fouquieriaceae*)**
Hugo Manuel Monreal Garcia, CIIDIR Durango, Mexico
- P10** Title: **High-throughput phenotyping of rice using RGB imaging**
Kyung-Hwan Kim, National Institute of Agricultural Sciences, South Korea
- P11** 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
- P12** 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
- P13** Title: **Transcriptome analysis of dwarf soybean derived from crossing of *G. max* and *G. soja***
Chanseok Shin, Seoul National University, South Korea
- P14** 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
- P15** 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

- 14:35-15:00** Title: **The roc10, a rice hd-zip transcription factor gene, modulates lignin biosynthesis for drought tolerance**
Ju-Kon Kim, Seoul National University, South Korea
- 15:00-15:25** Title: **Analysis of OsmiR399 expression and down-regulation of LTN1 in rice**
Minkyun Kim, Seoul National University, South Korea
- 15:25-15:50** 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
- 15:50-16:15** Title: **Arsenic and cadmium affect the crosstalk between auxin and jasmonate in *Oryza sativa* L.**
Marilena Ronzan, Sapienza University of Rome, Italy

- P16** Title: Roles of *Arabidopsis* ALDH10 enzymes in plant development and stress resistance
Florian Jacques, University of Technology of Compiègne, France
- P17** Title: Novel identification of CBF genes in rye and phylogenetic relationship in the *Triticeae*
Yong Weon Seo, Korea University, South Korea
- P18** Title: Biochemical characterisation of maize landraces for grain quality improvement
Danijela Ristic, Maize Research Institute Zemun Polje, Serbia
- P19** Title: Application of molecular markers (SSRs) in foreground selection for maize quality traits
Marija Kostadinovic, Maize Research Institute Zemun Polje, Serbia
- P20** 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
- P21** 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
- P22** 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
- P23** 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
- P24** Title: Novel medium for enhancing callus growth in hazel (*Corylus avellana* L.)
Ahmad Moieni, Tarbiat Modares University, Iran
- P25** Title: Genome-wide screening and functional characterization of long intergenic noncoding rnas in *Arabidopsis*
Choonkyun Jung, Seoul National University, South Korea
- P26** 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
- P27** 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
- P28** 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
- P29** 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
- P30** Title: UV illumination on *Crithmum maritimum* *in vitro* cell culture: A biomimetic approach
Julien Fouilland, France

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

- 09:00-09:25** Title: **Glandular trichomes as a barrier against atmospheric oxidative stress**
Shuai Li, Estonian University of Life Sciences, Estonia
- 09:25-09:50** 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
- 09:50-10:15** Title: **To flower or not to flower? The crucial decision of *Lilium longiflorum* bulbs**
Silit Lazare, Ben Gurion University, Israel
- 10:15-10:40** 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 10:40-10:55 @ Foyer

- 10:55-11:20** Title: **Germplasm identification and salinity- tolerant gene isolation on *G. hirsutum* L.**
Wuwei Ye, Chinese Academy of Agricultural Sciences, China
- 11:20-11:45** Title: **Performance of rice varieties under rainfed condition in wet and dry tropics of Queensland, Australia**
Sachesh Silwal, CQUniversity, Australia
- 11:45-12:10** Title: **Phytochemical screening and *in vitro* free radical scavenging activity of different solvent extracts from *Convolvulus virgatus* Boiss**
Taoufik Saleh Ksiksi, UAE University, UAE
- 12:10-12:35** 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
- 12:35-13:00** 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

Lunch Break 13:00-14:00 @ Restaurant

- 14:00-14:25** Title: **Functional analysis of ALSAP domains “a20/an1” in abiotic stress tolerance mechanism**
Omar Moustafa Azab, King Saud University, Saudi Arabia
- 14:25-14:50** Title: **Phylogenetic study of indigenous pulses based on morphological and inter simple sequence repeat (ISSR) marker**
Filemon Yusuf, Bogor Agricultural University, Indonesia

Network & Refreshment Break 14:50-15:00 @ Foyer

Awards Ceremony

Bookmark your dates

5th Global Summit on

Plant Science

October 29-30, 2018 Madrid, Spain

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