



**Syeins Group**  
— EVOLUTION IN GENERATION —

*Plant 2019*  
***Final Program***

International Conference on

# Plant, Cellular & Molecular Biology

February 18 -19, 2019 | Valencia, Spain



*Innovations, Advancements and Emerging Novel Research In Plant Science*

**Syeins Group**

1170 Peachtree St NW, Suite 1200 Atlanta, GA 30309, USA

Tel: +1 (678) 916-0647

## Day 1, February 18, 2019 (Monday)

08:00 - 08:40 : Registrations

Moderator : Burcu Arıkan, Istanbul University, Turkey

08:40 - 09:00 : Introduction

### Keynote Presentations

09:00-09:40 Title: Pre-Symbiotic Signals Exchange Of Hormones And Volatile Organic Compounds Between The Host-Plant *Helianthemum sessiliflorum* And The Desert Truffle *Terfezia boudieri*.  
Yaron Sitrit, Ben-Gurion University of the Negev, Israel

09:40-10:20 Title: Effect of quercetin on mycorrhizal synthesis between *Tuber borchii* and micropropagated Strawberry tree plants  
Filomena Gomes, Escola Superior Agrária de Coimbra, Portugal

12:10 - 13:30 Coffee Break

@ Hotel Restaurant

Oral Session ( I ) : Plant Biotechnology, Plant Tissue Culture, Plant Biochemistry and Plant Physiology, Plant Cell Biology, Plant and Environment Science

Session Chairs : Yaron Sitrit, Ben-Gurion University of the Negev, Israel

: Filomena Gomes, Escola Superior Agrária de Coimbra, Portugal

14:00 - 14:30 Title: The Role of Mitogen-Activated Protein Kinase (MAPK) Signalling in Oxidative Stress in the Unicellular Model Organism, *Chlamydomonas reinhardtii*

**Professor Gábor Galiba**, Head of Dept. Plant Molecular Biology, Agricultural Institute, Centre for Agricultural Research, Hungarian Academy of Sciences, Hungary

**Tímea V. Nádai**, MSc (PhD student), Festetics Doctoral School, Georgikon Faculty, University of Pannonia, 8360 Keszthely, Hungary

Title: Efficient tissue culture and plant regeneration for transformation and gene editing in cereals

Yuji Ishida, Japan Tobacco Inc., Japan

- 14:30 - 15:00 Title: **INSECT NETTING AND GREENHOUSE BENEFITS**  
Marcel Schulte, Holland Gaas B.V., Netherlands
- 14:30 - 15:00 Title: **Dissecting the basic principle of developmental boundary formation**  
Riccardo Di Mambro, Department of Biology, University of Pisa, Italy
- 15:30 - 16:00 **COFFEE BREAK**
- 16:00 - 16:30 Title: **Revelation of the role of glucosinolates in plant defense responses against pollution stress**  
Mariam Betsiashvili, Agricultural University of Georgia, Georgia
- 16:30 - 17:00 Title: **In vitro Growth-Promoting Activity of Galactose-Binding Lectin From Mulberry (Morus Alba L.) On Suspension-cultured Cells**  
E. Khurtsidze, Iv. Javakhishvili Tbilisi State University , Georgia
- 17:00 - 17:30 Title: **Integrated approach to investigate poplar roots response to mechanical constraints**  
**Dalila Trupiano, University of Molise, Italy**

## E-Poster Presentation

### IDENTIFICATION OF APPLE SCAB GENETIC RESISTANCE IN MALUS SIEVERSII POPULATIONS IN KAZAKHSTAN

Madina Omasheva, Institute of Plant Biology and Biotechnology, Almaty, Kazakhstan

17:30 - 18:00

Day 1-End Note

## Day 2, February 19, 2019 (Tuesday)

### Keynote presentation

- 9:00 - 9:40 Title: **APHIS Plant Grow Enhancer/ Soil Amendment Petition Process**  
Gregg B. Goodman, APHIS Plant Protection and Quarantine, USA
- 9:40 - 10:20 Title: **Modulation of Sesquiterpene Biosynthesis and Potential Pharmacological Activity in Khat (Catha edulis) Leaves Upon Harvesting**  
Efraim Lewinsohn, The Newe Yaar Research Center, Volcani Center, ARO, Israel
- 10:20 - 10:50 **TEA BREAK**

Oral Session ( II ) : Plant Science and Natural Products, Plant Science and Plant Research, Plant and Environment Science, Forest Science and Technology, Biodiversity and Plant Ecology, Plant Genetics and Epigenetics, Antibiotics and Medicinal Plant

Session Chairs : Gregg B. Goodman, APHIS Plant Protection and Quarantine, USA  
: Efraim Lewinsohn, The Newe Yaar Research Center, Volcani Center, ARO, Israel

- 10:50- 11:20 Title: Does GTS1 has an important role under stress conditions in Arabidopsis?  
Burcu Arıkan, Istanbul University, Turkey
- 11:20 - 11:50 Title: Medicinal Plants of the Bible - Past, Present and Future  
Amots Dafni, Spanish National Research Council (CSIC), Madrid. SPAIN
- 11:50 - 12:20 Tanshinones production in adventitious root and cell suspension cultures of *Perovskia abrotanoides* Kar. and evaluation of their biological activities  
Arehzoo Zaker, Ph.D., Ferdowsi University of Mashhad, Mashhad, Iran
- 12:20 - 13:30 **LUNCH BREAK**
- 13:30 - 14:00 Title: Analysis of the gentic variability of the subgenus *Quercus* Oerst. in central and south Italy.  
Fortini Paola, Università del Molise, Italy
- 14:00 - 14:30 Title: How and why xenobiotics affect the development of cenosis (plant, fungi and bacteria) of a polluted area: Bagnoli-Coroglio (SIN) case of study  
Carmine Guarino, UNIVERSITY OF SANNIO, Italy
- 14:30 - 15:00 **TEA BREAK**
- 15:00 - 15:30 Title: The importance of nanotechnology in plant science and the real-world applications  
Amanee Gordon, Tuskegee University, USA
- 15:30 - 16:00 **INVESTIGATION OF HEAVY METAL CONTENTS IN SOME MEDICINAL PLANTS OF DISTRICT SIALKOT, PAKISTAN**  
Shamim Akhtar, University of Gujrat, Pakistan

## 16:30-18:00 - Poster Presentations

- P01      Title: The seed-specific relative water content as a physiological trait to track the germination process in *Ceiba aesculifolia* seeds  
Ximena Gómez-Maqueo, Instituto de Ecología, UNAM, México
- P02      Title: Somatic embryogenesis and plant regeneration in Japanese pines  
Tsuyoshi E. Maruyama, Forestry and Forest Products Research Institute, Japan
- P03      Title: Suspended cells of non-metallophyte *Viola arvensis* (Violaceae) show high tolerance to zinc and lead manifested in their ability to divide and potential for plant regeneration after metal application  
Klaudia Sychta, Jagiellonian University, Faculty of Biology, Institute of Botany, Department of Plant Cytology and Embryology, Poland
- P04      Title: Evaluation of drought stress in germinating Opium poppy  
Jiri Cerven, Ph.D., University of Ostrava, Czech republic
- P05      Title: Distribution of mercury in sediments and plant tissues of *Rhizophora apiculata* and *Rhizophora mucronata* at Matang Mangrove Forest Reserve, Malaysia  
Giovanna Wolswijk, Erasmus Mundus Master Course in Tropical Biodiversity and Ecosystems (TROPIMUNDO), Belgium
- P06      Title: Effect of flavonoids on mycorrhizal synthesis between *Lactarius deliciosus* and *Arbutus unedo* L. in vitro plants  
Filomena Gomes, Escola Superior Agrária de Coimbra, Portugal
- P07      Title: The role of photosynthetic pigments in seeds differing in resistance to desiccation  
Ewelina Stolarska, M.Sc., Institute of Dendrology, Polish Academy of Sciences, Kórnik, Poland
- P08      The *CRK5* kinase negatively controls senescence-related genes during plant development  
Pawel Burdiak, Warsaw University of Life Sciences, Poland

17:30 - 18:00

End Note and Closing Ceromoney

# Book Mark

Your Dates  
From

February 18 - 19, 2019

*We Wish to see you in*

*Spain!!*

## **Organizer**

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