

5<sup>th</sup> Global Congress on





**PLANT**  
**BIOLOGY AND**  
**BIOTECHNOLOGY**

**MARCH 23-25, 2020 | VALENCIA, SPAIN**

**GPB 2020**

**Theme:**

A drive to thrive plant sciences

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-  <https://plantbiologyconference.com/>
-  [contact@plantbiologyconference.com](mailto:contact@plantbiologyconference.com)
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**Venue:**

Olympia Hotel, Events & SPA  
Calle Maestro Serrano, 5 46120 Alboraya  
Valencia, Spain

# Conference Program

## ■ March 23, 2020 (Monday)

Day 01

■ 09:00-09:40 Registrations

■ Moderator **Danijela Poljuha**, Institute of Agriculture and Tourism, Croatia

■ 09:40-10:00 Introduction

## ■ Keynote Presentations

■ 10:00-10:40 Title: Integrated disease management for sustainable crop production

**Mohammad Babadoost**, University Of Illinois, USA

■ 10:40-11:20 Host- and spray-induced gene silencing and its applications

**Zhi-Yuan Chen**, Louisiana State University Agricultural Centre, USA

## ■ Group Photo

■ 11:20-11:40

Coffee Break

## ■ Workshop

■ 11:40-12:40 Title: Urban Greening- equality for plants and a healthy environment

**Stevie Famulari**, Engaging Green; Farmingdale State College, USA

## ■ Oral Presentations

■ **Sessions on:** Plant Biotechnology and Applications | Plant Biology and Molecular Plant Sciences | Plant Molecular Biology | Plant Nutrition and Soil Sciences | Plant and Environment | Plant Taxonomy

### ■ Session Chairs:

**Mohammad Babadoost**, University Of Illinois, USA

**Zhi-Yuan Chen**, Louisiana State University Agricultural Centre, USA

■ 12:40-13:00 Title: From microspore to embryo: How to get stressed and survive to tell

**Patricia Corral-Martinez**, COMAV (UPV), Spain

■ 13:00-13:20 Title: Morphological changes induced by the inoculation of rhizospheric microorganisms in *Prunus* and *Pyrus* in vitro plantlets obtained by embryo rescue

**Daniel Cantabella**, IRTA, Fruitcentre, Spain

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|---------------|-------------|---|
| ■             | 13:20-14:20 | Lunch Break   |
| ■             | 14:20-14:40 | Title: Phenolic compounds of plants as bioactive for the cosmetic industry<br><b>Valter Henrique</b> , Atina - Ativos Naturais, Brazil  |
| ■             | 14:40-15:00 | Title: Response to drought stress in selected black poplar ( <i>Populus nigra</i> L.) genotype<br><b>Eva Pokorna</b> , Forestry and Game Management Research Institute, Czech Republic  |
| ■             | 15:00-15:20 | Title: The negative effect of compaction on the physical properties of chernozem<br><b>Marta Jankovicova</b> , Private Researcher and Consultant, Czech Republic  |
| ■             | 15:20-15:40 | Title: Seed magnetic treatment: A molecular approach<br><b>Elizabeth Isaac Aleman</b> , National Center of Applied Electromagnetism, Cuba   |
| ■             | 15:40-16:00 | Title: Behind Black: Unfolding the hidden secrets of plant melanins<br><b>Olesya Shoeva</b> , Russian Academy of Sciences, Russia   |
| ■ 16:00-16:20 |             | Coffee Break  |
| ■             | 16:20-16:40 | Title: Root uptake modeling: Present state, and what are the basic obstacles still to overcome?<br><b>Moshe Silberbush</b> , BGU/BIDR, Israel   |
| ■             | 16:40-17:00 | Title: Agro-morphological changes caused by the accumulation of lead in <i>Corchorus olitorius</i> , a leafy vegetable with phytoremediation properties<br><b>Nontuthuko Rosemary Ntuli</b> , University of Zululand, South Africa  |
| ■             | 17:00-17:20 | Title: The species of <i>Anacardiaceae</i> in Argentina, morphological, taxonomic and reproductive characterization, and importance for the recovery of degraded environments in forests, shrubs and grasslands<br><b>Maria Alicia Zapater Cano</b> , National University of Santiago del Estero, Argentina |
| ■             | 17:20-17:40 | Title: Leaves' response from woody species as an indicator of environmental pollution<br><b>Lacramioara-Carmen Ivanescu</b> , Alexandru Ioan Cuza University, Romania   |
| ■             | 17:40-18:00 | Title: Fluorescents <i>Pseudomonas</i> isolates and aromatic plants extract to control bacterial canker of tomato disease in the central region of Morocco<br><b>Amkraz Nadiya</b> , CUAM Ibn Zohr University, Morocco  |

**END OF DAY 01**

■ **March 24, 2020 (Tuesday)**

**Day 02**

■ Moderator **Tim Weber**, Imperial College London, UK

## ■ **Keynote Presentations**

■ 10:00-10:40 Title: New trends in table grape breeding program IMIDA-ITUM

**Manuel Tornel**, IMIDA-ITUM, Spain

■ 10:40-11:20 Title: Ahead of their time: Women pioneers in plant biology

**Danijela Poljuha**, Institute of Agriculture and Tourism, Croatia

■ 11:20-11:40

Coffee Break

## ■ **Oral Presentations**

■ **Sessions on:** Plant Developmental Biology | Plant Hormones | Plant -Microbe interactions | Plant Genetics, Molecular Genetics and Genomics | Plants and Health Sciences

### ■ **Session Chairs:**

**Mohammad Babadoost**, University Of Illinois, USA

**Manuel Tornel**, IMIDA-ITUM, Spain

■ 11:40-12:00 Title: Genomics a tool in conifer breeding: Norway spruce a case study

**M Rosario Garcia-Gil**, Swedish University of Agricultural Sciences, Sweden

■ 12:00-12:20 Title: Role of the strigolactones under drought in tomato

**Ivan Visentin**, University of Turin, Italy

■ 12:20-12:40 Title: A novel ubiquitin-independent role of MATH-BTB protein family in RNA-directed DNA methylation

**Dunja Lejzak Levanic**, University of Zagreb, Croatia

■ 12:40-13:00 Title: Structural and micromorphological changes under the effect of air pollution on the leaves of some ligneous plants species from Romania

**Gostin Irina Neta**, University of Iasi, Romania

■ 13:00-13:20 Title: Effects of Biozyme T. F., A plant hormone on growth and yield in *Glycine max*

**Joseph Nana Annan**, University of Education, Ghana

■ 13:20-14:20

Lunch Break

## ■ 14:20-16:00\_Poster presentations

- GPBP-001 Title: Evaluation of the seed coat darkening in dry bean genotypes from the first post-harvest days  
**Carmen Jacinto-Hernández**, INIFAP, Mexico
- GPBP-002 Title: New opaco black bean lines, Jamapa type, for the high valleys of the central area of Mexico, with high protein content  
**Ramon Garza-Garcia**, INIFAP, Mexico
- GPBP-003 Title: Molecular study of several taxa of the genus *Iris* L. based on SSR markers and chloroplast DNA barcodes – phylogenetic implications  
**Tim Weber**, Imperial College London, UK
- GPBP-004 Title: Applications of the (Z)-3-Hexenyl butyrate in Agriculture  
**Celia Paya Montes**, Institute of Molecular and Cellular Biology, Spain
- GPBP-005 Title: Effect of the outbreak of horse-chestnut leaf miner (*Cameraria ohridella* Deschka & Dimic) on tree-ring width in common horsechestnut (*Aesculus hippocastanum* L.)  
**Anna Cedro**, University of Szczecin, Poland
- GPBP-006 Title: The effect of Potassium on the content of soluble sugars in Barley  
**Pavel Matusinsky**, Agrotest fyto, Ltd, Czech Republic
- GPBP-007 Title: Detection of specific mutation conferring resistance in fungal pathogens in Barely  
**Ivana Svacinova**, Agrotest fyto, Ltd, Czech Republic
- GPBP-008 Title: Biological features of *Maclura pomifera* (Rafin.) Schneider in the Southern European part of Russia  
**Tatyana Latsko**, Moscow State University, Russia
- GPBP-009 Title: Insecticides susceptibility of the most important aphid species in Croatian orchards  
**Tanja Gotlin Culjak**, University of Zagreb, Croatia
- GPBP-010 Title: Synthesis of silver nanoparticles using *Vaccinium myrtillus* L. fruits extract: Characterization of particles and study of fungi effect  
**Lacramioara Oprica**, Alexandru Ioan Cuza University, Romania

- GPBP-011 Title: Preliminary data regarding the karyotype of some spontaneous medicinal plants from North-East of Romania  
**Gabriela Vochita**, Institute of Biological Research Iasi, branch of NIRDBS Bucharest, Romania
- GPBP-012 Title: Phenolic profile and in vivo anti-inflammatory activity of aqueous seed extract of date fruit (*Phoenix dactylifera* L.)  
**Hadjer Chenini-Bendiab**, Abd Alhamid Ibn Badis University, Algeria

■ 16:00-16:30 Thanking Note

## END OF DAY 02

■ **March 25, 2020 (Wednesday)** **DAY 03**

■ 13:20-14:20 Lunch Break