

6<sup>th</sup> ANNUAL CONGRESS ON

# PLANT SCIENCE & BIOSECURITY



**Jun 22-23, 2026**



**Barcelona, Spain**

**Venue: Alexandre Hotel Frontair Congress**



**<https://acpsb.com/>**



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**Hall Name:** Sant Boi Meeting Room

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**Registrations Open 08:00-08:40**

**Opening Ceremony 08:40-09:00**

**Moderator:** Elliott Marston, *Washington State University, United States*

## Keynote Talks

**09:00-09:30**

**Vegetation composition and organic carbon content along right-of-ways on Interstate Highway 35 in Bexar County, Texas**

Jeffrey T. Hutchinson, *University of Texas at San Antonio, United States*

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**09:30-10:00**

**Developing Wheat Cultivars Benefit to Human Health, Environment Sustainability, and Farmer Profitability**

Shuyu Liu, *Texas A&M University-College Station, USA*

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**10:00-10:30**

**Integrating Plant–Microbe–Water Interactions to Advance Aquatic Ecosystem Restoration and Biosecurity**

Zheng Zheng, *Fudan University, China*

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**10:30-11:00**

**Field-Scale Evaluation of Agronomic, Soil Chemical, and Microbial Responses to Treated Oilfield-Produced Water Irrigation in the Permian Basin**

Thomas Borch, *Colorado State University, United States*

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**Group Photo & Refreshment Break (11:00-11:20)**

## Technical Session-I

**Session Chairs:** Shuyu Liu, *Texas A&M University-College Station, United States*  
Thomas Borch, *Colorado State University, United States*

**11:20-11:40**      **RNAi biopesticides for control of grapevine powdery mildew in the field**

Mary C. Wildermuth, *University of California Berkeley, United States*

**11:40-12:00**      **Integrating omics to improve specialty oil production in emerging crops**

Ana Paula Alonso, *University of North Texas, United States*

**12:00-12:20**      **Plant species introduced into two natural ecosystems within Mexico City**

Silvia Castillo-Argüero, *Universidad Nacional Autónoma de México, Mexico*

**12:20-12:40**      **Low CO<sub>2</sub> concentration, a key environmental factor for developing plateau adapted rapeseed**

Sha Liu, *Sichuan University, China*

**12:40-13:00**      **Field screening of *Solanum demissum* confirms its late blight resistance in the Toluca Valley, Mexico**

Hector Lozoya-Saldaña, *Universidad autónoma Chapingo, Mexico*

Lunch Break @ Restaurant (13:00-14:00)

## Technical Session-II

### Session Chairs:

Jeffrey T. Hutchinson, *University of Texas at San Antonio, United States*

Eduardo Blumwald, *University of California - Davis, United States*

14:00-14:20

**Late-maturity  $\alpha$ -amylase (LMA) is a family of wheat quality traits, not a single phenotype**

Elliott Marston, *Washington State University, United States*

14:20-14:40

**Control of potato late blight without PFAS-pesticides**

Lars Erik Olof Wiik, *Hushallningssallskapet Skane, Sweden*

14:40-15:00

**Integrated metabolomic and transcriptomic analysis of triterpenoid accumulation in the roots of *Codonopsis pilosula* var. *modesta* (Nannf.) L.T.Shen at different altitudes**

Fang-Di Hu, *Lanzhou University, China*

15:00-15:20

**Potential Causes of Low Pistachio Yield in Turkey**

Mehmet Hadi Aydin, *Siirt University, Turkey*

15:20-15:40

**Multilevel Analysis of the Toxicity Mechanisms of Chlorinated Paraffins with Different Carbon Chain Lengths on Submerged Macrophytes**

Weizhen Zhang, *Chengdu University of Technology, China*

Refreshment Break @ Foyer 15:40-16:00

16:00-16:20

**Characterization and Functionality of Hot-Press Wheat Tortillas Produced With Soybean Oil-Based Oleogels Structured With Candelilla Wax, Monoglycerides, and Hardfat**

Erick Heredia Olea, *Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico*

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**16:20-16:40**

**Cracking the code of plant regeneration: MONOPTEROS at the heart of clonal propagation**

**Barbara Wojcikowska, *University of Silesia in Katowice, Poland***

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**16:40-17:00**

**Practical aspects of developing and utilising ddPCR-based systems for the detection and quantification of potato pathogens**

**Petr Sedlak, *Czech University of Life Sciences, Czech Republic***

**Pannel Discussions & Day-1 Concludes**

## Hall Name: Sant Boi Meeting Room

### Keynote Talks

**09:30-10:05**      **Molecular Detection of *Ilyonectria mors-panacis* and disease dynamics in cultivated and wild-simulated American Ginseng**

**Melanie Kalischuk, *University of Guelph, Canada***

**10:05-10:40**      **Engineering Biological Nitrogen Fixation in Cereals**

**Eduardo Blumwald, *University of California - Davis, United States***

### Refreshment Break (10:40-11:00)

### Technical Session-III

**Session Chairs: Mehmet Hadi Aydin, *Siirt University, Turkey***

**Hector Lozoya-Saldaña, *Universidad autónoma Chapingo, Mexico***

**11:00-11:20**      **Effects of fungicide application timing on foliar fungal diseases, Fusarium head blight and economic returns in two winter wheat cultivars**

**Stephen N. Wegulo, *University of Nebraska-Lincoln, USA***

**11:20-11:40**      **Biominederalized gold nanoparticles and associated endophytic bacteria in Norway spruce needles (*Picea abies*)**

**Kaisa Lehosmaa, *University of Oulu, Finland***

**11:40-12:00**      **Mycofloristic survey of the agaric flora in North Western Indian Himalayas**

**Munruchi Kaur, *Punjabi University, India***

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**12:00-12:20**      **GrowSpace: A reinforcement learning environment for plant architecture**

**Yasmeen Hitti**, *Université de Montréal, Canada*

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**12:20-12:40**      **Can textural profiles of agrifood products be turned into complex phenotyping features through the design and application of dedicated smart chemometric procedures?**

**Pilar Barreiro Elorza**, *Universidad Politécnica de Madrid, Spain*

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**Poster Session (12:40-13:00)**

**ACPSB-01**      **Impact of Seeding Depth on Initial Growth and Germination Rate of Hemp**

**Andreia Saragoca**, *Instituto Politecnico de Portalegre, Portugal*

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**ACPSB-02**      **Responses of the physiological characteristics and endophytic bacteria of *Urtica cannabina* to simulated drought stress**

**Yongcheng Chen**, *Shihezi University, China*

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**Lunch Break @ Restaurant (13:00-14:00)**

**Day-2 Conclusion and Closing Remarks**

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WE WISH TO SEE YOU AGAIN AT

7<sup>th</sup> ANNUAL CONGRESS ON

# PLANT SCIENCE AND BIOSECURITY



June 21-22, 2027



Paris, France

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