

International Conference on

# AGRICULTURE AND HORTICULTURE

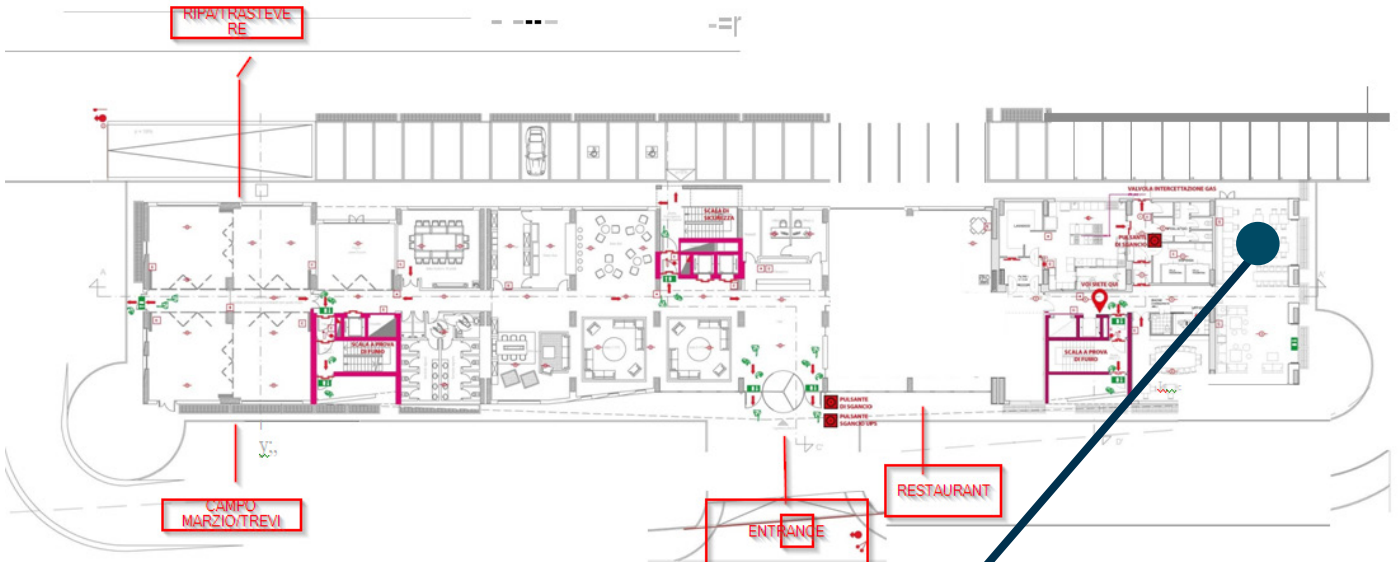
April 14-15, 2025

Rome, Italy



**Address:** 355 S. Main St., Falls Tower  
1<sup>st</sup> Floor, Greenville,  
South Carolina, 29601, USA

# Floor Map



#ConferenceHall - Prathi

## Wifi Details:

**Username:** H10PLUS

**Password:** HRC\_3509

**SCIENTIFIC PROGRAM**

**#DAY 1 - April 14, 2025**

**Meeting Hall: Prathi**

**9.00 - 9.45 Registrations**

**Moderator**

**Laszlo Szabados**, Institute of Plant Biology, Hungary

**9.45 - 10.00 Introduction**

**Keynote Presentations**

10.00 - 10.45	<b>Title:</b> Macrophyte <i>Fucus vesiculosus</i> Habitats and Oxidative Stress, the Baltic Sea
<b>Elmira Boikova</b> , University of Latvia, Latvia	

10.45 - 11.30	<b>Title:</b> Policy Recommendations for Accelerating and Mainstreaming a Circular Rural Bioeconomy in the EU
<b>Dimitris Michas</b> , Institute for Bio-Economy and Agri-Technology (IBO), Greece	

**11.30 - 11.45 Networking and Refreshments @ Lobby Bar**

11.45 - 12.30	<b>Title:</b> New Ecosystems, New Solutions: Sustainable Management and Utilization of Invasive Plants
<b>Danijela Poljuha</b> , Institute of Agriculture and Tourism, Croatia	

**Oral Presentations**

**Session Chair:**

**Carmen Simon-Mateo**, Centro Nacional de Biotecnología, Spain

**Sessions:** Plant Biotechnology | Plant Genetics and Genomics | Forest Science and Silviculture | Organic Agriculture | Agriculture Production Systems | Plant Sciences and Research | Plant Science | Agricultural Biotechnology and Genome Editing | Plant Tissue Culture | Forest Science and Silviculture | Plant and Environment

12.30 - 12.55	<b>Title:</b> PEG-Triggered Osmotic Stress Generates Large-Scale Transcriptional and Epigenetic Responses in Rapeseed ( <i>Brassica napus</i> L.)
<b>Laszlo Szabados</b> , Institute of Plant Biology, Hungary	

**12.55 - 13.15 Group Photo**

**13:15 - 14.00 Lunch @ Ristorante**

14.00 - 14.25	<b>Title:</b> Winter Camelina Seeds: A Promising Raw Material for Erucic Acid-Free Oil Production
<b>Katarzyna Rzyska-Szczupak</b> , Poznan University of Life Sciences, Poland	

14.25 - 14.50	<b>Title:</b> Quality of Sunflower Hybrid's Seeds Grown in Latvian Conditions
<b>Vita Sterna</b> , Institute of Agroresources and Economics, Latvia	
14.50 - 15.15	<b>Title:</b> Unlocking the Biotechnological Potential of Bacterial Toxin-Antitoxin Modules in Plants
<b>Carmen Simon-Mateo</b> , Centro Nacional de Biotecnología, Spain	
15.15 - 15.40	<b>Title:</b> Singular and Interactive Effect of 6-Benzylaminopurine (BAP) on Sweet Potato <i>in vitro</i> Micropropagation
<b>Gideon Adu Donyina</b> , University of Szeged, Hungary	
15.40 - 16.05	<b>Title:</b> Pioneer Plants and Pioneer Scientists: Resilience in the Environmental Changes
<b>Francesca Marinangeli</b> , Council for Agricultural Research and Economy Analysis, Italy	
<b>16:05 - 16.35 Refreshments @ Lobby Bar</b>	
<b>Poster Presentation @ 16.35 - 17.30</b>	
<b>Poster Judge:</b>	
<b>Elmira Boikova</b> , University of Latvia, Latvia	
P01	<b>Title:</b> Possibilities of Growing Sunflowers in the Practice of Organic Farming in Latvia
<b>Inga Jansone</b> , Institute of Agricultural Resources and Economics, Latvia	
P02	<b>Title:</b> <i>Cytisus scoparius</i> (L.) Link: A Promising Source of Valuable Compounds
<b>Bianca Albuquerque</b> , Instituto Politécnico de Bragança, Portugal	
P03	<b>Title:</b> Stable Isotope Ratio Analysis for Assessing the Authenticity of Table Olives Produced in Poligiros Area in Greece
<b>Anastasios Zotos</b> , University of Patras, Greece	
P04	<b>Title:</b> DNA Damage and Repair in the Background of Edaphic Adaptation in Wild Wheat
<b>Raskina Olga</b> , University of Haifa, Israel	
P05	<b>Title:</b> Application of Stable Isotope Analysis on Verification of Central Macedonian Rice Authenticity
<b>Angelos Patakas</b> , University of Patras, Greece	
P06	<b>Title:</b> Impact of Water Availability on the Hysteresis Between Sap Flow and VPD in Grapevines ( <i>Vitis vinifera</i> L.)
<b>Efthymios Kokkotos</b> , University of Patras, Greece	
P07	<b>Title:</b> Unraveling the Role and Interactions of the NF-Y Transcription Factor in Tomato Plants through Genome Editing and Yeast Two-Hybrid
<b>Christina Emmanouilidou</b> , Institute of Applied Biosciences (INAB), Greece	

**Day 1 Concludes followed by Award Felicitation**



## SCIENTIFIC PROGRAM

## #DAY 2 - April 15, 2025

### Meeting Hall: Prathi

#### Moderator

**Laszlo Szabados**, Institute of Plant Biology, Hungary

### Keynote Presentations

10.00 - 10.45	<b>Title:</b> Advancing Plant Fine Root Research: A Sub-Sampling Approach to Reduce Processing Time
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**Mattia Terzaghi**, University of Bari Aldo Moro, Italy

### Oral Presentations

#### Session Chair:

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

**Sessions:** Plant and Environment | Plant Science | Plant Tissue Culture | Plant Biology | Organic Agriculture | Agriculture & Food Security | Precision Agriculture and Smart Farming | Agricultural Biotechnology and Genome Editing

10.45 - 11.10	<b>Title:</b> Endophytic Fungi: From Isolation to Cultivation Case Studies on their Effects on the Development of Arabidopsis and Tomato Plants
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**Francesco Dovana**, University of Bari Aldo Moro, Italy

11.10 - 11.35	<b>Title:</b> Enhancing Bioeconomy Education in Rural Areas: Insights from the Relief Erasmus + Pilot Testing
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**Dimitris Michas**, Institute for Bio-Economy and Agri-Technology (IBO), Greece

### 11.35-11.50 Networking and Refreshments @ Lobby Bar

11.50 - 12.15	<b>Title:</b> Assessment of the Sorption Capacity of Lignocellulosic Materials in Removing Bisphenol A from Water Systems
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**Anna Przybylska-Balcerek**, Poznan University of Life Sciences, Poland

12.15 - 12.40	<b>Title:</b> Enhancing Sweet Potato Production: A Comprehensive Analysis of the Role of Auxins and Cytokinins in Micropropagation
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**Gideon Adu Donyina**, University of Szeged, Hungary

12.40 - 13.05	<b>Title:</b> Antioxidant and Wound Healing Potential of Extracts Obtained from Typical Mediterranean Foods
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**Chourouk Joumaa**, University of Genoa, Italy

### 13.05 - 14.00 Lunch @ Ristorante

14.00 - 14.25	<b>Title:</b> Economic Evaluation of a Combined Conservation and Precision Agriculture Wheat Production System in Greece
<b>Myrto Kosti</b> , Institute for Bio-Economy and Agri-Technology, Greece	
14.25 - 14.50	<b>Title:</b> Innovative Methods of Adsorption of Bisphenol A from Forest Watercourses in Poland
<b>Lidia Szwajkowska-Michalek</b> , Poznan University of Life Sciences, Poland	
14.50 - 15.15	<b>Title:</b> Exploring the Impact of Sound Waves on Plant Biology
<b>Mario Pagano</b> , National Research Council (CNR), Italy	
<b>Video Presentation</b>	
VP-001	<b>Title:</b> Large-Scale Discovery of Non-conventional Peptides in Maize and Arabidopsis through an Integrated Peptidogenomic Pipeline
<b>Liuji Wu</b> , Henan Agricultural University, China	
<b>E-Poster Presentation</b>	
EP01	<b>Title:</b> Histopathological Investigation and Risk Factors of Coccidiosis in Camels ( <i>Camelus dromedarius</i> ), Algeria
<b>Razika Boukert</b> , Saad Dahleb University, Algeria	

**Day 2 Concludes followed by Awards Ceremony & Vote of Thanks**

**VIRTUAL PROGRAM**

**#DAY 1 - April 14, 2025**

**09.45 - 10.00 Introduction**

**Oral Presentations**

**Sessions:** Organic Agriculture and Agroecology | Agronomy and Crop Sciences | Agricultural and Biological Engineering | Plant Genetics and Genomics | Plant Nutrition and Soil Sciences | Plant Science

10.00 - 10.25	<b>Title:</b> A Reliable Molecular Diagnostic Tool for CA90 ( <i>Castanea sativa</i> × <i>Castanea crenata</i> ) Hybrid Identification Through SSR
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**Toufiq Soale Yussif**, Instituto Politecnico de Braganca, Portugal

10.25 - 10.50	<b>Title:</b> Assessment of the Chemical, Antioxidant, and Antimicrobial Properties of Various Solvent Extracts from Wild Olive Leaves ( <i>Olea europaea subsp. europaea var. sylvestris</i> )
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**Falek Wahiba**, University of Constantine, Algeria

10.50 - 11.15	<b>Title:</b> Strategic Environmental Assessment (SEA) Process for Agriculture and Horticulture
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**Vijayan Gurumurthy Iyer**, Bihar Institute of Public Administration & Rural Development (BIPARD), India

11.15 - 11.40	<b>Title:</b> Taxonomic Diversity of Medicinal Herbal Plants used in the Northern Community, Saudi Arabia
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**Fatma A. Hamada**, Aswan University, Egypt

11.40 - 12.05	<b>Title:</b> Enhancing Quinoa Yield and Quality Through Different Levels of Irrigation and Vermicompost Application
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**Gholamreza Heidari**, University of Kurdistan, Iran

12.05 - 12.30	<b>Title:</b> Comparative Study on Antioxidant Activity and Phenolic Content in Roots, Leaves and Fruits of <i>Gaultheria mucronata</i> (L.f.) Hook. & Arn
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**Carlos Alberto Schneider Barrera**, Universidad de Concepcion, Chile

12.30 - 12.55	<b>Title:</b> Unveiling the Molecular and Metabolic Landscape of Chickpea Chlorotic Dwarf Virus in Luffa Cylindrical L
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**Sana Khalid**, Lahore College for Women University, Pakistan

**12.55 - 13.25 Eye Relaxation**

13.25 - 13.50	<b>Title:</b> Artificial Intelligence for a Greener Tomorrow: Transforming Plant Science and Molecular Biology
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**Rakibul Hasan**, Westcliff University, USA

**Day 1 Concludes followed by Vote of Thanks**





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