

International Conference on

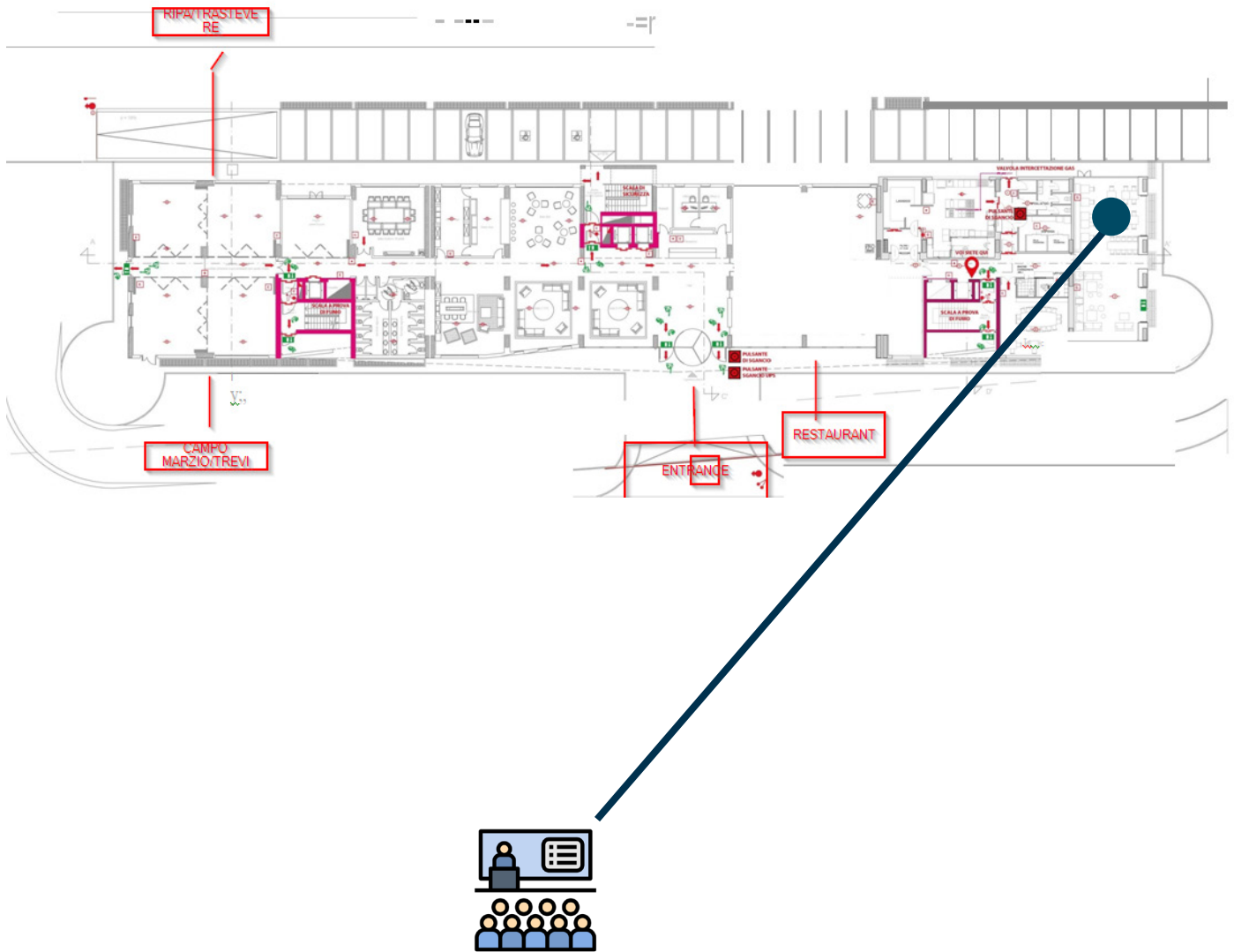
PLANT SCIENCE AND MOLECULAR BIOLOGY

April 14-15, 2025
Rome, Italy



Address: 355 S. Main St., Falls Tower
1st 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	Title: Macrophyte <i>Fucus vesiculosus</i> Habitats and Oxidative Stress, the Baltic Sea
Elmira Boikova, University of Latvia, Latvia	
10.45 - 11.30	Title: Policy Recommendations for Accelerating and Mainstreaming a Circular Rural Bioeconomy in the EU
Dimitris Michas, Institute for Bio-Economy and Agri-Technology (IBO), Greece	
11.30 - 11.45	Networking and Refreshments @ Lobby Bar
11.45 - 12.30	Title: New Ecosystems, New Solutions: Sustainable Management and Utilization of Invasive Plants
Danijela Poljuha, 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	Title: PEG-Triggered Osmotic Stress Generates Large-Scale Transcriptional and Epigenetic Responses in Rapeseed (<i>Brassica napus</i> L.)
Laszlo Szabados, Institute of Plant Biology, Hungary	
12.55 - 13.15	Group Photo
13:15 - 14.00	Lunch @ Ristorante
14.00 - 14.25	Title: Winter Camelina Seeds: A Promising Raw Material for Erucic Acid-Free Oil Production
Katarzyna Rzyska-Szczupak, Poznan University of Life Sciences, Poland	

14.25 - 14.50	Title: Quality of Sunflower Hybrid's Seeds Grown in Latvian Conditions
Vita Sterna , Institute of Agroresources and Economics, Latvia	
14.50 - 15.15	Title: Unlocking the Biotechnological Potential of Bacterial Toxin-Antitoxin Modules in Plants
Carmen Simon-Mateo , Centro Nacional de Biotecnología, Spain	
15.15 - 15.40	Title: Singular and Interactive Effect of 6-Benzylaminopurine (BAP) on Sweet Potato <i>in vitro</i> Micropropagation
Gideon Adu Donyina , University of Szeged, Hungary	
15.40 - 16.05	Title: Pioneer Plants and Pioneer Scientists: Resilience in the Environmental Changes
Francesca Marinangeli , Council for Agricultural Research and Economy Analysis, Italy	
16:05 - 16.35 Refreshments @ Lobby Bar	
Poster Presentation @ 16.35 - 17.30	
Poster Judge:	
Elmira Boikova , University of Latvia, Latvia	
P01	Title: Possibilities of Growing Sunflowers in the Practice of Organic Farming in Latvia
Inga Jansone , Institute of Agricultural Resources and Economics, Latvia	
P02	Title: <i>Cytisus scoparius</i> (L.) Link: A Promising Source of Valuable Compounds
Bianca Albuquerque , Instituto Politécnico de Bragança, Portugal	
P03	Title: Stable Isotope Ratio Analysis for Assessing the Authenticity of Table Olives Produced in Poligiros Area in Greece
Anastasios Zotos , University of Patras, Greece	
P04	Title: DNA Damage and Repair in the Background of Edaphic Adaptation in Wild Wheat
Raskina Olga , University of Haifa, Israel	
P05	Title: Application of Stable Isotope Analysis on Verification of Central Macedonian Rice Authenticity
Angelos Patakas , University of Patras, Greece	
P06	Title: Impact of Water Availability on the Hysteresis Between Sap Flow and VPD in Grapevines (<i>Vitis vinifera</i> L.)
Efthymios Kokkotos , University of Patras, Greece	
P07	Title: Unraveling the Role and Interactions of the NF-Y Transcription Factor in Tomato Plants through Genome Editing and Yeast Two-Hybrid
Christina Emmanouilidou , 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: Economic Evaluation of a Combined Conservation and Precision Agriculture Wheat Production System in Greece
Myrto Kosti , Institute for Bio-Economy and Agri-Technology, Greece	
14.25 - 14.50	Title: Innovative Methods of Adsorption of Bisphenol A from Forest Watercourses in Poland
Lidia Szwajkowska-Michalek , Poznan University of Life Sciences, Poland	
14.50 - 15.15	Title: Exploring the Impact of Sound Waves on Plant Biology
Mario Pagano , National Research Council (CNR), Italy	
Video Presentation	
VP-001	Title: Large-Scale Discovery of Non-conventional Peptides in Maize and Arabidopsis through an Integrated Peptidogenomic Pipeline
Liuji Wu , Henan Agricultural University, China	
E-Poster Presentation	
EP01	Title: Histopathological Investigation and Risk Factors of Coccidiosis in Camels (<i>Camelus dromedarius</i>), Algeria
Razika Boukert , 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: 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	Title: 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

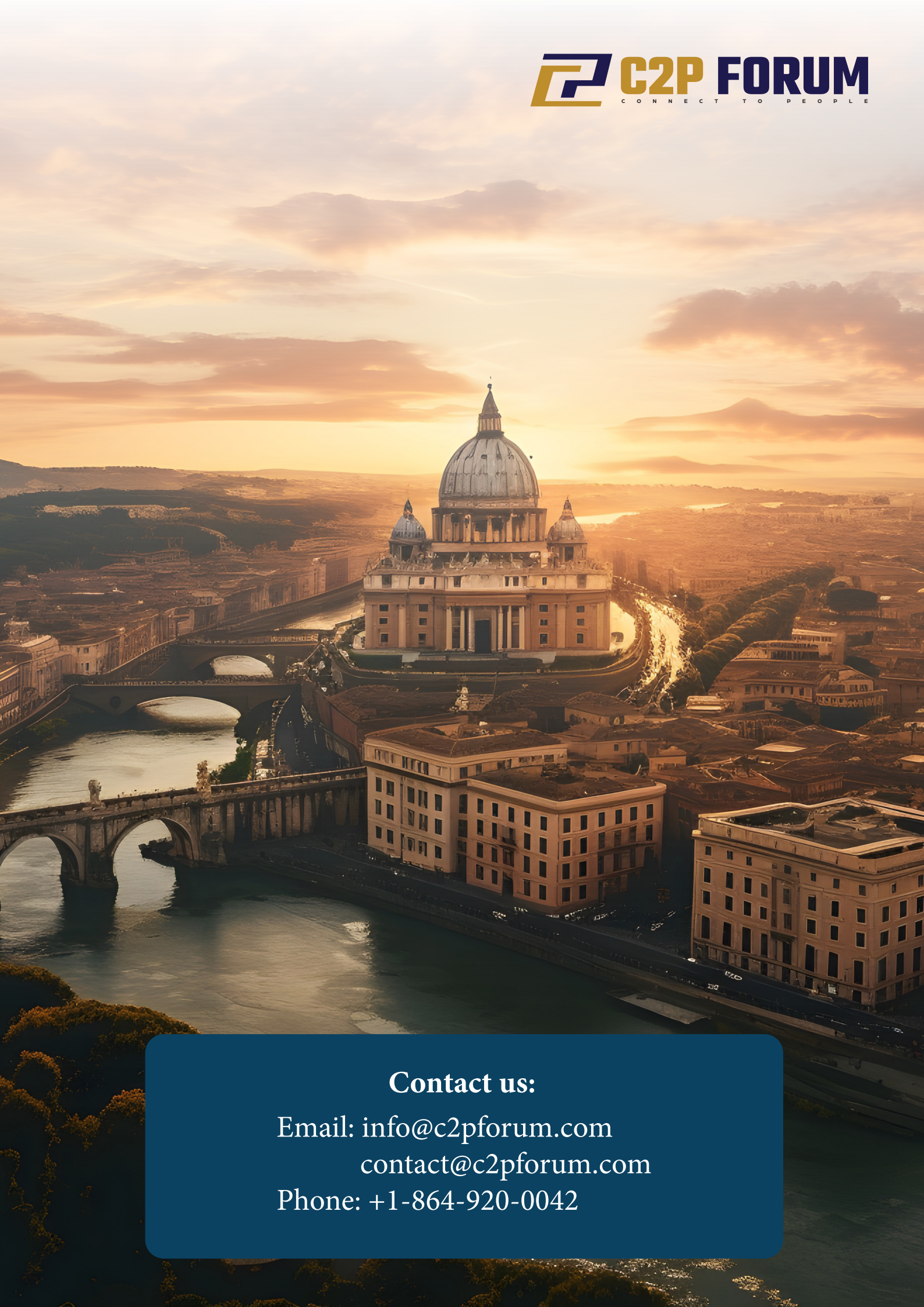
12.55 - 13.25

Eye Relaxation

13.25 - 13.50	Title: 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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