



Plants 2025 – From Seeds to Food Security

List of Posters



Poster Session A

Tuesday, 1 April 2025 (13:30–14:30, 16:30–16:30)

Session	Number	Author	Title
A	1	Akasairi Ocwa	Improving Agronomic Performance of Maize: Differential Response to Precision Irrigation
A	2	Magdoline Osman	Impact of Different Tillage Practices on Maize (<i>Zea Mays</i> L.) Production
A	3	Ronald Kuunya	Impact of Winter Ploughing Tillage on Moisture Content and Grain Hardness in Wheat: A Statistical Analysis of Harvested Samples
A	4	Lina Zhao	Exploring the Regulatory Mechanisms in the Time of Flower Opening in the Heterodichogamous Species <i>Ziziphus Jujuba</i>
A	5	Habibah Almalawi	Identifying the Major Genes and Pathways Involved in the Salt Stress Tolerance Response of Two Glycine Betaine-Treated Wheat (<i>Triticum Aestivum</i> L) Types Using Comparative Transcriptome Analysis.
A	6	José Manuel Martí-Guillén	Biotechnological Production of a Yellow Carrot Cell Culture-Based Plant Biostimulant and Evaluation of Its Effect on Tomato Seeds
A	7	Paulo Teodoro	Is There a Relationship Between Water Use Efficiency and Soil Carbon Dioxide Emissions in Soybean Genotypes?
A	8	Paulo Teodoro	Maize Growth Is Higher With Cashew Gum Hydrogel in Water Deficit
A	9	Larissa Teodoro	High-Throughput Phenotyping of Internal CO ₂ Concentration in Soybean Genotypes
A	10	Larissa Teodoro	Cashew Gum Hydrogel Improves Physiological Performance of Maize Under Water Deficit
A	11	Juan Izquierdo	Multi Years and Locations Yield Response and Economic Return to Field Foliar Humic Biostimulation on Main Grain Crops Affected by Climate Change
A	12	Adriano Nascente	Soybean Crop as Affected by Beneficial Microorganisms
A	13	Tinkara Bizjak-Johansson	Nitrogen-Fixing Bacteria Inside Scots Pine Needles
A	14	Csaba Juhász	An Overview of the Herbicide Options for One of the Alternative Pseudocereals - The Buckwheat (<i>Fagopyrum Esculentum</i> Moench)
A	15	Gabriella Cirvilleri	A Non-destructive Approach for Discriminating the Origin of Pistachio Nuts by Using Fourier-Transform Infrared Spectroscopy With Chemometrics
A	16	Rabbi Hoque	Investigation of <i>Cryphonectria Parasitica</i> at Molecular Level and Examination of Potential Biological Control Option of the Fungus
A	17	San Noela Russel	In-Vivo Autopolyploidization in <i>Hylocereus</i> SP. (Pitaya)

A	18	Petra Gabrovšek	Characterization of New Genic Microsatellite Markers for Immortelle (Helichrysum Italicum (Roth) G. Don; Asteraceae)
A	19	Molemi Rauwane	Investigation of Metabolite Profiles of Cassava (Manihot Esculenta Crantz) Genotypes Utilizing an Lc-MS Methodology.
A	20	Jorge A. Custodio-Mendoza	Simultaneous Detection of Acrylamide, Glycidamide, and Methylacrylamide in Plant-Based Beverages: A Novel μ -Dispersive Solid-Phase Extraction Method
A	21	Olga A. Andrzejczak	WSPNs Belongs to a New Family of Small Prolamins
A	22	Lesley Macheke	Seeds of Resilience: Breeding African Indigenous Vegetables for Climate Adaptation and Food and Nutrition Security
A	23	Anđela Dragičević	Ethnobotanical Survey of the Medicinal Plants Used for Skin Diseases in the Urban Ecosystem of Niš, City (South-Eastern Serbia)
A	24	Georgia Ouzounidou	Impact of Innovative Bioactive Products in Cucumber Cultivation, Aiming At Developing Resistance to Nematodes and Producing Products of High Nutritional Value
A	25	Liwen Yang	The Application of Biological Control Technologies in the Prevention and Control of Urban Garden Insect Pests
A	26	Anastasia Giannakoula	The Protective Role of Exogenous Proline in Alleviating Oxidative Stress Induced by Heavy Metals in Sour Orange Plants (Citrus Aurantium L.)
A	27	Ruizhen Wang	Two High-Quality Crabapple Genome and Pan-Genome Provides Insights Into the Disease Resistance
A	28	Laurine Kithi	Phenological Characteristics and Variability of Total Phenolic Content in Green Husks of Hungarian-Bred Persian Walnuts

Poster Session B

Wednesday, 2 April 2025 (10:30-11:00, 13:30-14:30)

Session	Number	Author	Title
B	1	Ibtissem Balaout	Response of Maize Yield, Dry Matter and Nutrient Accumulation to Drip Irrigation: A Sustainable Approach to Food Security
B	2	Radu Sumalan	Drought Tolerance in <i>Silphium Perfoliatum</i> - An Evaluation of Leaf Area, Chlorophyll Content, Photosynthetic Activity and Biomass Production
B	3	Oqba Basal	Possibility of Engaging Chickpea in a Cereal-Legume Crop Rotation in Hungary Under Supplemental Irrigation
B	4	Habibah A Almalawi	Identification of the Major Genes and Pathways Involved in the Salt Stress Tolerance Response of Two Types of Glycine Betaine-Treated Wheat (<i>Triticum Aestivum</i> L) Using Comparative Transcriptome Analysis
B	5	Vivien Pál	Application of Legume-Based Cover Crop Mixtures for Sustainable Corn Production
B	6	Mariam Zareyan	Physiological and Genetic Reactions of Winter Wheat to Drought Under the Influence of Probiotic Microorganisms and Calcium
B	7	Qi Xiao	The Effect and Mechanism of CD Accumulation in the Ratoon Rice Organisms
B	8	Anastasiia Barsukova	Changes in Phytaspase Activity Under Abiotic Stresses During <i>Nicotiana Benthiana</i> Germination
B	9	Nikola Stamenković	The Effect of Salinity Stress on Total Phenolic, Flavonoid, and Hydroxycinnamic Acid Content and Antioxidative Capacity of Centaury (<i>Centaureum Erythraea</i> Rafn) Shoots and Roots Grown in Vitro
B	10	Duduzile Buthelezi	<i>Lessertia Frutescens</i> L. Leaf Extract Enriched With Biosynthesized Zinc Oxide Nanoparticles Enhances the Growth, Essential Oil and Antioxidant Activities of <i>Origanum Vulgare</i> L. Under Heat Stress
B	11	Adriano Nascente	Multifunctional Rhizobacteria as Affecting Root Growth of Crop Seedlings
B	12	Adriano Nascente	Biochemical Characterization of Beneficial Rhizobacteria With Potential for Plant Growth Promotion
B	13	Mariana Patanita	Grapevine Fungal Microbiome Analysis Reveals Differences Associated With the Expression of Trunk Diseases Symptoms
B	14	Gianmaria Oliva	Evaluating the Plant-Growth Promoting Abilities of Novel Halotolerant Bacteria Under Salt Stress Conditions and Their Biotechnological Application.
B	15	Sandiswa Figlan	Evaluating the Effects of Garlic Extract and <i>Bacillus Subtilis</i> on Tomato Growth and Bacterial Wilt Control

B	16	Timea Hajnal Jafari	Stimulatory Potential of <i>Pseudomonas</i> Sp. Isolates on Initial Growth of Sage (<i>Salvia Officinalis</i> L.)
B	17	Besarta Kabashi	Fungal Pathogens Isolated From <i>Asclepias Syriaca</i> : Evaluation in Biological Control
B	18	Vanda Villányi	Increasing Resistance to Bacterial Wilt in <i>Solanum Tuberosum</i> Using Molecular Biological Methods
B	19	Antonieta Ruiz	Evaluation of the Antioxidant Response in <i>Solanum Tuberosum</i> Leaves Treated With a Potential Biofungicide Based on Flesh Colored Potato
B	20	Ziqiang Wang	Effect on Canopy Structure and Lodging Resistance of Application for Drone Uniform and Orderly Direct-Seeding Comparing to Conventional Direct-Seeding Rice
B	21	Catalina Egea-Gilabert	Assessment of Biodegradable Food Packaging for Wild Rocket Cultivated in Three Different Substrates: A Sustainable Solution for Short Food Supply Chains
B	22	Bicko Steve Juma	De Novo Domestication for Resilient Crop Production Systems and Novel Plant-Based Foods
B	23	Adarsh Kumar	Molecular Characterization of C-Glycosyltransferase and Analysis of C-Glycosyl Flavone Variability in Pearl Millet: Addressing Storage Stability and Nutritional Challenges
B	24	Petra Gabrovšek	Current Genetic and Genome Research of Medicinal Plant <i>Helichrysum Italicum</i> (Roth) G. Don
B	25	Jorge A. Custodio-Mendoza	Sustainable Anthocyanin Recovery From Purple Corn Using Green Extraction Techniques: A Comparative Study of Pressurized Liquid Extraction and Ultrasound-Assisted Extraction
B	26	Dariusz Dziki	Impact of Elicitation and Method of Drying on Antioxidant Properties of Lentil Sprouts
B	27	Georgia Ouzounidou	Effects of Biostimulants on the Eco-Physiological Traits and Fruit Quality of Grapevine (<i>Vitis Vinifera</i> L.)
B	28	Pradeep Adhikari	Predicting the Global Climate Change Impacts on Invasion Risk of Alien Plant Species