

# AISSA #under40 Anno 2025

5 Giugno 2025

ore 11:30					
Numero Sessione	Titolo		Tipo Contributo	Speaker	Titolo
P1		Innovation and wine	Oral	Alessandra Amato	Auxin treatment delays the onset of ripening of grape varieties cultivated in the Valpolicella area
			Oral	Alessandro Mataffio	Exploring within vineyard variability to model ‘Aglanico’ fruit yield and grape composition
			Oral	Elisa Giampietri	Consumer Acceptance and Preferences for Low and No-Alcohol Wines: A Systematic Review
			Oral	Giulia Leni	Upcycled White Grape Pomace for Chitosan-Based Active Food Packaging
			Oral	Margherita Chiarini	Dealcoholized wines in the face of climate change: how to enhance sustainability and quality while meeting consumer demands
			Short comm.	Alessandro Pesole	Non-destructive predictions of quality parameters in table grape and tomato
			Short comm.	Caterina Fucile Franceschini	Totally and Partially Dealcoholized Wines in a Traditional Wine Culture: Consumer Acceptance and Market Potential in Italy
			Short comm.	Ferdinando Corti	Preliminary study on the physical characteristics of the fermentation cap and their relationship to grape must extraction parameters
P2		Consumer behaviour	Oral	Chiara Gelici	The effect of social media exposure on prompting sustainable food choices
			Oral	Lapo Pierguidi	Advancing sustainable and personalized product development through the integration of co-creation and sensory science
			Oral	Giacomo Staffolani	Discovering consumers who search for cheese with “mountain product label”: evidence from latent class
			Oral	Giulia Mastromonaco	Italian consumers’ preferences for honey sustainability and traceability
			Oral	Anna Francesca Corradini	An Exploratory Analysis of Media Coverage on the Presence of Large Carnivores: A Case Study in the Italian Context
			Short comm.	Irene Fadini	Sustainability Labels in European Food Systems: A Systematic Evaluation of Barriers and Drivers
			Short comm.	Mohammad Ammar	Taste of the future: Sensory optimization and consumers’ preferences of novel snack enriched with cricket powder
			Short comm.	Silvia Sapiro	The effect of lighting on shopping behavior in a virtual reality supermarket
P3		Plant pathology	Oral	Thomas Conte	Assessment of phyto-compounds from agricultural wastes against the growth of severe soil-borne fungi and weeds on wheat crop
			Oral	Cristian Bua	Unraveling the role of Phytophthora inundata in Citrus root and collar rot
			Oral	Felice Salzano	Nitrogen source influences extracellular pH modulation and secondary metabolism in Trichoderma harzianum
			Oral	Mario Riolo	Mycotoxin contamination in citrus and pomegranate fruit: detection and sustainable control strategies
			Oral	Marta Ranesi	Modulation of Root Exudate Recognition and Virulence in Fusarium oxysporum by a Secondary Metabolite from Beauveria bassiana
			Short comm.	Armando Vitale	Understanding the Role of the Pheromone signalling system in Fusarium oxysporum Host Perception and Response
			Short comm.	Paola Marino	Climate change and foliar pathogens in leafy vegetables: the case of Spinach
P4		Food technology	Oral	Andrea Bresciani	Pulses for cereal-based reformulation: effect of the particle size
			Oral	Federico Rametta	Enhancing techno-functional properties of pea flour through combined enzymatic and lactic acid fermentation for a novel vegan spread
			Oral	Lorenzo Ciraldo	Guided fermentation of sprouted wheat and barley flours and their application in bread making: a sustainable and healthy alternative to conventional approaches

			Oral	Mario Caponio	Development, optimization and integrated characterization of plant-based gurts enriched with roasted and non-roasted sprouted barley flour
			Oral	Simona Carbone	Combination of lactic acid bacteria and legume flours as bio-preservative in baking industry
			Short comm.	Aurora Cirillo	Biochemical and Nutraceutical Characterization of Different Accessions of the Apricot ( <i>Prunus armeniaca</i> L.)
			Short comm.	Federica Cirrincione	Enhancing the Value of Green Lentil Flour Processing By-Product through the Development of an Innovative Ice Cream Cone
			Short comm.	Gianfilippo Nigro	Exploring sea fennel as functional aromatic ingredient in extra virgin olive oil
			Ore 14:30		
P5		Plant growth	Oral	Alice Varaldo	Evaluation of Prohexadione-Ca as a Growth Regulator in High-Density Sweet Cherry System
			Oral	Anna Verde	Influence of biochar and mineral N addition to organic fertilizers on nitrogen mineralization dynamics
			Oral	Francesco De Mastro	Fate and uptake of pharmaceuticals in water-soil-plant systems: a short-term study on artichoke in Apulia region
			Oral	Hajar Salehi	The use of untargeted metabolomics coupled with supervised statistics and machine learning unravels crop-specific versus generalized effects of biostimulants: Towards sustainable approaches
			Oral	Letizia Pagliaro	Microalgae Extracts as Novel Biostimulants
			Short comm.	Giacomo Belvisi	PTF4Med: make hydro-pedotransfer functions easily accessible to everyone
			Short comm.	Leonardo Costanza	Optimization of artificial light strategies for baby leaf lettuce growth under Vertical Farming system (VFs)
			Short comm.	Valeria Sergi	Biochar as feed supplementation: effect on GHG and ammonia emission from manure produced by Holstein calves fed with biochar
P6		Innovation in farming	Oral	Alice Stiletto	The Role of Heuristics in Agricultural Risk Management: Insights from an Experimental Study on Apple Producers
			Oral	Maria Elena Marescotti	Seeing is believing: farmers' perceptions of innovative technologies as tools for enhancing transparency
			Oral	Nebojša Nikolić	Preliminary Comparative Analysis of Autonomous Robots and Traditional Tractors for Mechanical Weed Control in Wheat
			Oral	Raffaella Ofano	Authenticity and Traceability of Pomodorino del Piennolo del Vesuvio PDO: A geochemical fingerprinting approach
			Oral	Silvana Cangemi	Metabolomics, Artificial Intelligence, and Blockchain: An Integrated Approach for Food Traceability and Certification
			Short comm.	Agnese Spadi	Densimetric sorting of olives to control olive oil quality
			Short comm.	Luca Morucci	The Future of Agriculture: Generation Z Driving Smart Farming and Sustainability
P7		Agricultural land use: economic and environmental assessment	Oral	Antonio Minoliti	Life Cycle Assessment of wheat based cropping systems: environmental impact and sustainability improvements
			Oral	Federico Delrio	Economic analysis of the potential adoption of agrivoltaic systems in dairy sheep farms in Italy
			Oral	Christian Soldati	Assessing Soil Ecosystem Services in Mediterranean Olive Farming
			Oral	Fabiana Covertino	A GIS-based approach for estimating and mapping agricultural plastic waste in Italy
			Oral	Maria Virginia Bile	Land degradation in sub-Saharan regions: assessment, monitoring and restoration strategies
			Short comm.	Luca Palazzoni	Economic risk assessment of agricultural drought: implementation of the ADERA model for sunflower cultivation in the Marche region
			Short comm.	Perrone Mariavittoria	Land Use Challenges: Balancing Agricultural Needs and Renewable Energy Goals

P8		Circular economy	Oral	Annamaria Di Serio	Biostimulant effects of pumpkin seed extracts on the growth and quality of lettuce ( <i>Lactuca sativa</i> L.)
			Oral	Angela Maffia	From Waste to Wealth: Transforming agricultural waste into a Powerful Biofertilizer for Sustainable Agriculture
			Oral	Annachiara Ferraioli	Green approaches to recover biomolecules from wheat bran
			Oral	Giovanni Luca Russo	Bioconversion of food industry side-streams into polyunsaturated fatty acids through microalgae in the era of circular economy
			Short comm.	Baima Lorenzo	Optimizing insect farming for local feed production: a pilot study in circular economy
			Short comm.	Matteo Pollon	Olive mill wastewater as functional ingredient in traditional Sicilian bread
Ore 15:45					
P9		Soil health	Oral	Alessandro Rocci	Soil health and innovative practices at support of traditional agrifood products in marginal areas
			Oral	Enrica Allevato	Assessing the Impact of Regenerative Agricultural Practices on Soil Health: A Comparative Study of Different Systems
			Oral	Margherita Santoni	Soil Amendment Strategies Using Agroecological Practices in a Long-Term Experiment in Tuscany (Italy)
			Oral	Mortadha Ben Hassine	Subclover ( <i>Trifolium subterraneum</i> L.) Cover Cropping as a Soil Management Strategy to Enhance The Sustainability Of Pear ( <i>Pirus communis</i> ) Orchards
			Short comm.	Alessio Lasina	Living Labs for Future Healthy Soils: a Review
			Short comm.	Pierfrancesco Deiana	Influence of soil management on fruit quality and soil fertility in olive groves from Sardinia
P10		Soil health	Oral	Cosimo Sarti	Effects of Salinity Stress on Hydroponically Grown Sweet Basil and Mint species in Indoor Farming
			Oral	Anna Paesano	The impact of compostable bioplastics on soil-plant-microbiota system
			Oral	Marialaura Bancheri	Evaluating soil ecosystem services through a process-based modeling approach
			Oral	Rosangela Adesso	Soil organic matter pattern in an olive orchard with different management practices for 21 years
			Oral	Sebastiano Conti Taguali	Unveiling the Citrus Rhizosphere: Microbial Diversity and Functional Insights in Organic and Conventional Soils
			Short comm.	Alessandro Auzzas	SOS: Soil Observation System. A digital and open access alternative for soil data collection and management
			Short comm.	Niccolò Rimbotti	An open-source platform for tracking carbon dioxide levels in soil: proof of concept and prototype
P11		Plant genetics	Oral	Alessandro Maisto	KASTRACK db - a chestnut DNA fingerprint database for varietal identification, traceability, and genetic diversity assessment
			Oral	Alessia Cuccurullo	The characterization of the complete panel of CRISPR/Cas9-edited lines targeting the core genes of strigolactone biosynthesis revealed novel phenotvico effects and identified DWARF27 (D27)
			Oral	Annalisa Cocozza	Exploring agro-qualitative traits and metabolic compounds in cultivated pepper towards dissection of underlying genetic basis
			Oral	Elisa Cappetta	Transcriptional reprogramming and growth enhancement in pepper seeds mediated by iron oxide nanoparticle priming
			Oral	Sara Passaro	A smart workflow for chestnut variety identification by SNP genotyping
			Short comm.	Giorgia Capasso	Nanotechnology-based approaches for improving delivery of genome editing reagents in plants
			Short comm.	Martina Ghidoli	Breeding Novel Varieties of Camelina sativa L. and Investigating Its Potential as an Intermediate Crop
P12		Remote sensing	Oral	Alessandra Lepore	Assessing Soil Variability in Citrus Orchards Using Electromagnetic Induction and Satellite Remote Sensing

			Oral	Andrea Confessore	Virtual Fencing and Remote Sensing: Enhancing Herd Management Efficiency in Alpine Grazing
			Oral	Arianna Casarini	Identifying Potential Old-Growth Forests with Remote Sensing in Northern Italy
			Oral	Paola Pasta	Precision Weed project: innovative approaches to site-specific weed management in maize using advanced sensing technologies
			Oral	Celine Russo	Comparison of vegetation indexes obtained by remote sensing and UAV in viticulture: a case study
			Short comm.	Luana Centorame	Exploring the Use of Drones for Corn Borer Management: a Case Study in Central Italy
			Short comm.	Angeloluigi Aprile	Evaluation of Optimal Irrigation Volumes for an Industrial Tomato Season in a Sample Area of Campania Through the Analysis of Satellite Imagery, Reanalysis Data, and Agro-Hydrological
			Short comm.	Oscar Rosario Belfiore	Remote sensing modeling of evapotranspiration of herbaceous irrigated crops in California
		6 Giugno 2025			
		Ore 9:00			
P13		Forest soils	Oral	Beatrice Fiore	Assessing the effects of different forest management practices on soil health and forage supply in a Mediterranean silvopastoral system
			Oral	Giulia Marmo	The impact of wildfires on microplastics degradation in Mediterranean forest soils
			Oral	Giuseppina Iacomino	Long-Term Biochar Effects in Mediterranean Forests: Soil Chemistry and Microbiota at Ancient Kiln Sites
			Oral	Pasquale Napoletano	Effect of fire burning on microplastic particles lying on the forest soil surface
			Oral	William Trenti	Digital soil mapping in mountain environments: insights into soil genesis, diversity, and evolution
P14		Water use, stress and efficiency	Oral	Andrea Carli	Effects of water stress on agronomic, morphological and physiological parameters of maize hybrids with different drought tolerance
			Oral	Anna Bertoncini	Exploring the Impact of Stomatal Density and Morphology on Water-Use Efficiency in barley
			Oral	Cassandra Detti	Maximizing polyphenols in leaf extracts: Sustainable insights from Arbutus unedo trees under water stress
			Oral	Giulia Pastacaldi	Assessment of soybean water productivity and grain yield under optimal and regulated deficit irrigation
			Oral	Marianna Leone	Using treated wastewater in agriculture: water and nutrient resource
P15		Biostimulation of tomato growth	Oral	Anna Agosti	Evaluation of fermented kiwifruit by-product as biostimulant for tomato plants, cv. Solarino, grown in soilless conditions
			Oral	Giovanna Marta Fusco	Effects of Plant-Based Biostimulants on Processing Tomato 'Heinz cv. 1534' Over Two Years of Cultivation in Southern Italy
			Oral	Ilaria Ragnoli	Different mycorrhiza strains and inoculation methods provide distinct metabolomic and lipidomic responses in tomato plant
			Oral	Livia Pappalettere	Biostimulant Effects of Auxin-Producing Bacteria on Tomato and Olive Growth: Studies on Seed Priming and Soil Inoculation
			Oral	Sonia Marcone	Effects of plant growth-promoting and phosphate-solubilizing microorganisms on tomato (Solanum lycopersicum L.)
P16		New agri-food challenges	Oral	André Pierre Marie Fabbri	Analytical framework for High Throughput Plant Phenotyping pipelines
			Oral	Martina Sinno	Microbial-Based Strategies for Sustainable Crop Protection: Deciphering Plant Responses Through Multi-Omic Approaches
			Oral	Chiara Costamagna	Wool enhancement for sustainable development of Piedmont's Alpine valleys
			Oral	Miriam Chiarulli	Monitoring of soil bioengineering interventions for the restoration of coastal dunes in Southern Italy

			Oral	Selene Ollani	Nergi® Delight: preliminary sensory evaluation of fresh and transformed baby kiwi by-products
		Ore 12:30			
P17		Soil toxicity	Oral	Alessio Elia	Nickel Toxicity and Uptake in Hydroponic Lettuce
			Oral	Laura Alberico	Activation of retrotransposons by salt stress and seaweed extracts in Micro-Tom genome
			Oral	Luana Circelli	Microplastics extraction from sandy soils of southern Italy: ATR spectroscopy and SEM analysis evaluation
			Oral	Subrahmanyam Thotakura	Phytotoxic effect of chilli pepper ( <i>Capsicum annuum</i> L.) extract on germination and growth of different plant species
P18		Wild plants and alternative crops	Oral	Andrea Baptista	Unveiling the Hidden Potential of Six Rosemary Cultivars: Phenolic, Terpenic Profiles, and Antioxidant Capacity
			Oral	Bruna de Falco	The nutraceutical potential of chia, <i>Salvia hispanica</i> L. mutant and wild genotypes: a comprehensive metabolomics study of seeds and by-products
			Oral	Felicia Menicucci	Exploring wild <i>Thymus</i> sp. (L.) chemotypes provides thyme-derived products preventing fungal proliferation on paper
			Oral	Giulia Daniele	Germination performances of twelve native Mediterranean wildflower species in different urban soils under climate change scenarios
			Oral	Sofia Del Gaudio	Evaluation of rye ( <i>Secale cereale</i> L.): nitrogen use efficiency, agronomic potential and sustainability in Matese Regional Park
P19		Climate change and sustainable practices	Oral	Andrea Giacomelli	<i>Zea mays</i> L. landraces under climate change: the effect of different growth environments on morphology and yield
			Oral	Christopher Dichio	Impact of Sustainable Practices on Actinidia Roots with KVDS Symptoms and Characterization of New Rootstocks
			Oral	Martina Ludovica Careddu	Trait-Based Adaptation of Durum Wheat to Future Climate Scenarios
			Oral	Michele Denora	Agronomic Performance in Durum Wheat-Vetch Intercropping: an Agroecological Strategy for Resource Use Efficiency
			Oral	Paolo Emilio Bartolucci	Evaluating the joint impacts of weather conditions on crop yields and quality: an application to durum wheat in Italy with implications for index-based insurances
P20		Agriculture Challenges	Oral	Fabio Scotto di Covella	Physiological and productivity responses of green and red lettuce under Pulsed Light
			Oral	Marco Perfetto	Towards herbicide-free cover crop management: mathematical modeling frost winterkill termination
			Oral	Portaccio Letizia	Behaviour of olive suckers against <i>Xylella fastidiosa</i> : resistance and differences between cultivars
			Oral	Octavian P. Chiriac	Exploring the Spatial Variability of Nitrogen Balance and Its Relationship with Soil Properties
			Oral	Sara Anichini	Growth and antioxidant capacity of four Tuscan landraces under different wavelengths of LED light
		Ore 13:30			
P21		Trees growth	Oral	Andrea Sica	MRI and NIR spectroscopies to correlate hazelnuts morphological and structural characteristics with agronomic treatments, bedbug occult damage and varietal features
			Oral	Elèna Grobler	Leaf Morphometry and Convolutional Neural Networks (CNN) for Hazelnut Cultivar Identification
			Oral	Francesca Alderotti	Seasonal variations in wood starch concentration as key physiological markers associated with <i>Quercus ilex</i> L. crown defoliation
			Oral	Loffredo Raffaele	Succinic acid production from lignocellulosic biomass
			Oral	Sara Beltrami	New streetlamp solutions to reduce the impact of urban light pollution on trees: can tailored lighting spectra mitigate adverse effects?

P22		Tomato growth	Oral	Francesco Maria Fagnano	Decoding the endophytic bacterial microbiota of tomato to construct in silico microbial consortia
			Oral	Leilei Zhang	Impact of Polyethylene Nanoplastics on Plant–Rhizosphere Interactions in Lettuce (cv. Canasta) and tomato (cv. Microtom): A Multi-Omics Approach
			Oral	Michele Ciriello	Biostimulants and Biopesticides: Interactive Effects and Synergies as a Support Tool for Organic Tomato Production
			Oral	Salvatore Graci	Harnessing breeding selection and heat tolerance in tomato: constitution of resilient hybrids for climate change adaptation
			Oral	Vincenzo Cono	Stepwise screening of effective new fungal and bacterial biocontrol agents of soilborne tomato diseases using high-throughput digital plant phenotyping
P23		Sustainable forest management	Oral	Alice Carlotta Tani	Geospatial Analysis of Agroforestry Biomass for Sustainable Bioenergy Supply Chains: Insights from the Lazio Region
			Oral	Emanuele Spada	Community Economic Losses from Forest Fires: A Focus on Environmental Assets and Ecosystem Services
			Oral	Federico Romanato	Towards a sustainable and modern silvicultural management for direct protection forests
			Oral	Majid Zadmirzaei	Sustainable Forest Management: Multi-Objective Strategies in the European Forest Sector
			Oral	Francesca Cellitti	Urban Reforestation Perspectives in the Fight Against Climate Change
P24		Genetics and wine	Oral	Andrea Dominici	Communicating sustainability in wine: the influence of environmental and social messages on PIWI Wine Preferences
			Oral	Carmine Carratore	Genome editing applications on grapevine cvs. Aglianico and Falanghina for the knockout of susceptibility genes
			Oral	Silvia Procino	Disclosure of genetic variability within grapevine varieties originating from Southern Italy
			Oral	Ambrogio Chiriaco	Stomatal variations in Vitis vinifera L.: varietal/clonal differences and response to climatic conditions
					Ore 15:30
P25		Circular economy	Oral	Angela Longo	Development of biotechnological processes for bioplastics production from dairy waste using selected microorganisms
			Oral	Elia Pagliarini	The AFRODITE® process: High-agronomic value of selected poultry manure valorized through aerobic fermentation
			Oral	Marika Peli	Microalgae cultivation on biogas digestate fractions: a sustainable pathway for biostimulants production
			Oral	Rosalinda Nicastro	Exploring the impact of human urine derivatives on gene expression in soilless lettuce
P26		Sustainable livestock farming	Oral	Edda Mainardi	Characterization of Grass-fed Bergamasca sheep products
			Oral	Ester Scotto di Perta	IoT-Based Monitoring System of Ammonia Emissions in Naturally Ventilated Buffalo Barns: Sensor Network Development
			Oral	Gabriele Rolando	Land occupation to produce milk: relationship between on-farm and off-farm feed production, nitrogen balance and carbon footprint
			Oral	Marina Allegrezza	Monitoring GHGs fluxes following slurry distribution in three alternative forage system managements
			Short comm.	Andrea Balivo	Impact of Metodo Nobile pasture on the chemical, physical, and sensory properties of goat Caciotta cheese
P27		Soil carbon	Oral	Chiara Poesio	Soil carbon sequestration in different cropping systems: A mid-term field experiment
			Oral	Elettra Longobardi	Thirty years of soil organic carbon and land use changes in central Apennines (Molise region) using vis-NIR soil spectroscopy
			Oral	Leonardo Vario	The Roots Awakens: modelling root autotrophic respiration to enhance soil CO2 fluxes for cropping systems C balance assessment

			Oral	Mauro De Feudis	Savanna ecosystem restoration: soil carbon and nutrient dynamics in Kenya's Maasai Mara
P28		Tomato and water	Oral	Andrea Burato	Optimizing open-field tomato irrigation: A data-driven approach
			Oral	Maria Eleonora Pelosi	Water Management by Mulching on Processing Tomato Yield and Quality
			Oral	Martina Galaverni	Evaluation of new biostimulants effectiveness on tomatoes grown under water stress conditions
			Oral	Nicolò Iacuzzi	Application of the water footprint in sustainable management and protection of water resources for processed tomato cultivation in Mediterranean environments