

# AISSA #under40 Anno 2025

5 Giugno 2025

| ore 11:30       |   |  |                 |   |   |
|-----------------|---|--|-----------------|---|---|
| Numero Sessione | Chair   | Titolo   | Tipo Contributo | Speaker   | Titolo  |
| P1 - Aula 1     | Elisa Giampietri (Università degli Studi di Padova)                               | From Field Variability to Packaging Innovation: Multidisciplinary Approaches to Modern Enology | Oral            | Alessandra Amato (Università di Verona)   | Auxin treatment delays the onset of ripening of grape varieties cultivated in the Valpolicella area   |
|                 |   |  | Oral            | Alessandro Mataffo (Dipartimento di Agraria, Università degli Studi di Napoli Federico II)  | Exploring within vineyard variability to model 'Aglianico' fruit yield and grape composition  |
|                 |   |  | Oral            | Elisa Giampietri (Università degli Studi di Padova)   | Consumer Acceptance and Preferences for Low and No-Alcohol Wines: A Systematic Review   |
|                 |   |  | Oral            | Giulia Leni (Università Cattolica del Sacro Cuore)  | Upcycled White Grape Pomace for Chitosan-Based Active Food Packaging  |
|                 |   |  | Oral            | Margherita Chiarini (Università degli Studi di Bari "Aldo Moro")  | Dealcoholized wines in the face of climate change: how to enhance sustainability and quality while meeting consumer demands                                     |
|                 |   |  | Short comm.     | Alessandro Pesole (DISSPA - Università di Bari)   | Non-destructive predictions of quality parameters in table grape and tomato   |
|                 |   |  | Short comm.     | Caterina Fucile Franceschini (Università di Padova)   | Totally and Partially Dealcoholized Wines in a Traditional Wine Culture: Consumer Acceptance and Market Potential in Italy                                      |
| ore 11:30       |   |  |                 |   |   |
| P2 - Aula 7     | Mario Amato (Dipartimento di Scienze Politiche, Università di Napoli Federico II) | Food, Environment and Consumption: Multilevel Approaches to Sustainability Communication       | Oral            | Chiara Gelici (Università degli Studi di Firenze)   | The effect of social media exposure on prompting sustainable food choices   |
|                 |   |  | Oral            | Lapo Pierguidi (Università di Firenze)  | Advancing sustainable and personalized product development through the integration of co-creation and sensory science   |
|                 |   |  | Oral            | Giacomo Staffolani (Università Politecnica delle Marche (UNIVPM) - Dipartimento di Scienze Agrarie, Alimentari ed Ambientali (D3A)) | Discovering consumers who search for cheese with "mountain product label": evidence from latent class   |
|                 |   |  | Oral            | Giulia Mastrodonato (UNITO - DISAFA)  | Italian consumers' preferences for honey sustainability and traceability  |
|                 |   |  | Oral            | Anna Francesca Corradini (Università degli Studi di Milano)   | An Exploratory Analysis of Media Coverage on the Presence of Large Carnivores: A Case Study in the Italian Context  |
|                 |   |  | Short comm.     | Irene Fadini (Università degli studi di Milano)   | Sustainability Labels in European Food Systems: A Systematic Evaluation of Barriers and Drivers   |
|                 |   |  | Short comm.     | Mohammad Ammar (Università degli studi di Napoli Federico II)   | Taste of the future: Sensory optimization and consumers' preferences of novel snack enriched with cricket powder  |
|                 |   |  | Short comm.     | Silvia Sapiro (Università degli Studi di Napoli Federico II)  | The effect of lighting on shopping behavior in a virtual reality supermarket  |
| ore 11:30       |   |  |                 |   |   |
| P3 - Aula 8     | Andrea Brandano (Università degli Studi di Sassari)                               | Challenges and future directions of plant protection under global change                       | Oral            | Thomas Conte (Università degli studi di Foggia)   | Assessment of phyto-compounds from agricultural wastes against the growth of severe soil-borne fungi and weeds on wheat crop                                    |
|                 |   |  | Oral            | Cristian Bua (Università degli Studi di Catania - Dipartimento di Agricoltura, Alimentazione e Ambiente (DI3A))                     | Unraveling the role of Phytophthora inundata in Citrus root and collar rot  |
|                 |   |  | Oral            | Felice Salzano (Università degli Studi di Napoli "Federico II")   | Nitrogen source influences extracellular pH modulation and secondary metabolism in Trichoderma harzianum  |
|                 |   |  | Oral            | Mario Riolo (Dipartimento di Agricoltura, Alimentazione e Ambiente (DI3A))  | Mycotoxin contamination in citrus and pomegranate fruit: detection and sustainable control strategies   |
|                 |   |  | Oral            | Marta Ranesi (università degli studi di napoli federico II dipartimento di agraria)   | Modulation of Root Exudate Recognition and Virulence in Fusarium oxysporum by a Secondary Metabolite from Beauveria bassiana                                    |
|                 |   |  | Short comm.     | Armando Vitale (Dipartimento di Agraria, Università di Napoli Federico II)  | Understanding the Role of the Pheromone signalling system in Fusarium oxysporum Host Perception and Response  |
|                 |   |  | Short comm.     | Paola Marino (Università di Foggia)   | Climate change and foliar pathogens in leafy vegetables: the case of Spinach  |
| ore 11:30       |   |  |                 |   |   |
| P4 - Aula LING  | Vincenzo Valentino (Dipartimento di Agraria, Università di Napoli Federico II)    | Innovative Approaches to Sustainable and Functional Plant-Based Food Development               | Oral            | Andrea Bresciani (Università degli Studi di Milano)   | Pulses for cereal-based reformulation: effect of the particle size  |
|                 |   |  | Oral            | Federico Rametta (Università degli Studi di Bari "Aldo Moro")   | Enhancing techno-functional properties of pea flour through combined enzymatic and lactic acid fermentation for a novel vegan spread                            |
|                 |   |  | Oral            | Lorenzo Cirraldo (Università degli Studi di Bari "Aldo Moro")   | 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 (Università degli Studi di Bari Aldo Moro)  | Development, optimization and integrated characterization of plant-based gurts enriched with roasted and non-roasted sprouted barley flour                      |
|                 |   |  | Oral            | Simona Carbone (Università degli Studi di Bari "Aldo Moro")   | Combination of lactic acid bacteria and legume flours as bio-preservative in baking industry  |
|                 |   |  | Short comm.     | Federica Cirrincione (Università degli studi di Napoli Federico II)   | Enhancing the Value of Green Lentil Flour Processing By-Product through the Development of an Innovative Ice Cream Cone   |
|                 |   |  | Short comm.     | Gianfilippo Nigro (Università di Torino / Università di Bari)   | Exploring sea fennel as functional aromatic ingredient in extra virgin olive oil  |
| Ore 14:30       |   |  |                 |   |   |
| P5 - Aula 1     | Ester Scotto di Pertà (Università degli studi di Napoli Federico II)              | Sustainable Intensification of Agriculture: Novel Inputs and Technologies for Crop Enhancement | Oral            | Alice Varaldo (Università di Torino - DISAFA)   | Evaluation of Prohexadione-Ca as a Growth Regulator in High-Density Sweet Cherry System   |
|                 |   |  | Oral            | Anna Verde (Dipartimento di Agraria - Università degli Studi di Napoli Federico II)   | Influence of biochar and mineral N addition to organic fertilizers on nitrogen mineralization dynamics  |

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|              |  |  | Oral        | Francesco De Mastro (Università degli Studi di Bari)   | Fate and uptake of pharmaceuticals in water-soil-plant systems: a short-term study on artichoke in Apulia region  |
|              |  |  | Oral        | Hajar Salehi (Università Cattolica del Sacro Cuore)  | 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 (Università degli Studi della Campania "Luigi Vanvitelli")  | Microalgae Extracts as Novel Biostimulants  |
|              |  |  | Short comm. | Giacomo Belvisi (Università degli studi di Palermo)  | PTF4Med: make hydro-pedotransfer functions easily accessible to everyone  |
|              |  |  | Short comm. | Valeria Sergi (Università degli Studi di Brescia)  | Biochar as feed supplementation: effect on GHG and ammonia emission from manure produced by Holstein calves fed with biochar  |
| ore 14:30    |  |  |             |  |   |
| P6 - Aula 2  | Maria Elena Marescotti<br>Dipartimento di Medicina Veterinaria e Scienze Animali (DIVAS)<br>Università degli Studi di Milano | Smart Farming, Authenticity, and Technological Adoption: New Frontiers in Agri-Food Systems            | Oral        | Alice Stiletto (Università di Padova)  | The Role of Heuristics in Agricultural Risk Management: Insights from an Experimental Study on Apple Producers  |
|              |  |  | Oral        | Maria Elena Marescotti (Università degli Studi di Milano - DIVAS)  | Seeing is believing: farmers' perceptions of innovative technologies as tools for enhancing transparency  |
|              |  |  | Oral        | Nebojša Nikolić (Università degli studi di Padova, dipartimento DAFNAE)  | Preliminary Comparative Analysis of Autonomous Robots and Traditional Tractors for Mechanical Weed Control in Wheat   |
|              |  |  | Oral        | Raffaella Ofano (Università degli Studi di Napoli Federico II)   | Authenticity and Traceability of Pomodorino del Piennolo del Vesuvio PDO: A geochemical fingerprinting approach   |
|              |  |  | Short comm. | Leonardo Costanza (Università degli Studi di Bari Aldo Moro)   | Optimization of artificial light strategies for baby leaf lettuce growth under Vertical Farming system (VFs)  |
|              |  |  | Short comm. | Agnese Spadi (Unifi)   | Densimetric sorting of olives to control olive oil quality  |
| ore 14:30    |  |  |             |  |   |
| P7 - Aula 7  | Oscar Rosario Belfiore (Dipartimento di Agraria Università Degli Studi Di Napoli Federico II)                                | From Local to Global Pressures: Mapping and Mitigating Environmental and Economic Risks in Agriculture | Oral        | Christian Soldati (Università degli studi "Mediterranea" di Reggio Calabria)   | Assessing Soil Ecosystem Services in Mediterranean Olive Farming  |
|              |  |  | Oral        | Federico Delrio (Università degli Studi di Sassari)  | Economic analysis of the potential adoption of agrivoltaic systems in dairy sheep farms in Italy  |
|              |  |  | Oral        | Ali Hachem (Università degli Studi di Bari)  | A GIS-based approach for estimating and mapping agricultural plastic waste in Italy   |
|              |  |  | Oral        | Maria Virginia Bile (Università degli studi di Napoli Federico II)   | Land degradation in sub-Saharan regions: assessment, monitoring and restoration strategies  |
|              |  |  | Short comm. | Luca Palazzoni (Università degli Studi di Perugia - CESAR)   | Economic risk assessment of agricultural drought: implementation of the ADERA model for sunflower cultivation in the Marche region  |
| ore 14:30    |  |  |             |  |   |
| P8 Aula 8    | Domenico Ronga (Università di Salerno)   | Agri-Food By-Products as a Resource: Biostimulants, Biofertilizers, and Functional Ingredients         | Oral        | Annamaria Di Serio (Università degli Studi di Salerno)   | Biostimulant effects of pumpkin seed extracts on the growth and quality of lettuce (Lactuca sativa L.)  |
|              |  |  | Oral        | Angela Maffia (Università degli studi di Salerno (DIFARMA))  | From Waste to Wealth: Transforming agricultural waste into a Powerful Biofertilizer for Sustainable Agriculture   |
|              |  |  | Oral        | Annachiara Ferraioli (Università di Napoli, Federico II)   | Green approaches to recover biomolecules from wheat bran  |
|              |  |  | Oral        | Giovanni Luca Russo (Dipartimento di agraria - Università degli studi di Napoli "Federico II")   | Bioconversion of food industry side-streams into polyunsaturated fatty acids through microalgae in the era of circular economy  |
|              |  |  | Short comm. | Martina Gattuso (Università di Palermo)  | Olive mill wastewater as functional ingredient in traditional Sicilian bread  |
|              |  |  | Short comm. | Baima Lorenzo (UNITO - DISAFA)   | Optimizing insect farming for local feed production: a pilot study in circular economy  |
| Ore 15:45    |  |  |             |  |   |
| P9 - Aula 1  | Antonio Giandonato Caporale (Dipartimento di Agraria, Università di Napoli Federico II)                                      | Soil Health and Agroecological Transitions: Innovative Approaches for Sustainable Land Use             | Oral        | Alessandro Rocci (Università degli Studi della Tuscia)   | Soil health and innovative practices at support of traditional agrifood products in marginal areas  |
|              |  |  | Oral        | Enrica Allevato (Università di Ferrara)  | Assessing the Impact of Regenerative Agricultural Practices on Soil Health: A Comparative Study of Different Systems  |
|              |  |  | Oral        | Margherita Santoni (CNR - IBE)   | Soil Amendment Strategies Using Agroecological Practices in a Long-Term Experiment in Tuscany (Italy)   |
|              |  |  | Oral        | Mortadha Ben Hassine (Dipartimento di Scienze Chimiche, Farmaceutiche ed Agrarie, Università degli Studi di Ferrara)                   | Subclover (Trifolium subterraneum L.) Cover Cropping as a Soil Management Strategy to Enhance The Sustainability Of Pear (Pirus communis) Orchards  |
|              |  |  | Short comm. | Alessio Lasina (CREA- Research Centre for Forestry and Wood, Viale Santa Margherita 80, 52100 Arezzo, Italy)                           | Living Labs for Future Healthy Soils: a Review  |
|              |  |  | Short comm. | Pierfrancesco Deiana (Dipartimento di Agraria Università degli Studi di Sassari)   | Influence of soil management on fruit quality and soil fertility in olive groves from Sardinia  |
| ore 15:45    |  |  |             |  |   |
| P10 - Aula 2 | Mauro De Feudis (Università di Bologna)  | Innovations in Soil Health Assessment: From Microbial Insights to Open-Source Monitoring               | Oral        | Cosimo Sarti (Dipartimento di Scienze Agrarie, Forestali e Alimentari (DISAFA) - Università di Torino)                                 | Effects of Salinity Stress on Hydroponically Grown Sweet Basil and Mint species in Indoor Farming   |
|              |  |  | Oral        | Anna Paesano (Alma Mater Studiorum - Università di Bologna)  | The impact of compostable bioplastics on soil-plant-microbiota system   |
|              |  |  | Oral        | MariLaura Bancheri (CNR - ISAFoM)  | Evaluating soil ecosystem services through a process-based modeling approach  |
|              |  |  | Oral        | Rosangela Adesso (Dipartimento di Scienze Agrarie, Forestali, Alimentari e Ambientali (DAFE) Università degli Studi della Basilicata ) | Soil organic matter pattern in an olive orchard with different management practices for 21 years  |

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|               |   |  | Oral        | Sebastiano Conti Taguali<br>(Università di Catania,<br>Dipartimento di<br>Agricoltura,<br>Alimentazione e<br>Ambiente (Di3A))                                      | Unveiling the Citrus Rhizosphere: Microbial<br>Diversity and Functional Insights in Organic and<br>Conventional Soils  |
|               |   |  | Short comm. | Alessandro Auzzas<br>(Università degli Studi di<br>Sassari)  | SOS: Soil Observation System. A digital and open<br>access alternative for soil data collection and<br>management  |
|               |   |  | Short comm. | Niccolò Rimbotti (Unifi)   | An open-source platform for tracking carbon<br>dioxide levels in soil: proof of concept and<br>prototype   |
| ore 15:45     |   |  |             |  |  |
| P11 - Aula 7  | Elisa Cappetta<br>(Università degli studi di<br>Salerno)  | Biotech-Enabled Crop Development: Enhancing Genetic<br>Diversity, Adaptation, and Traceability | Oral        | Alessandro Maisto<br>(Department of<br>Agricultural Sciences,<br>University of Naples<br>Federico II)  | KASTRACK db - a chestnut DNA fingerprint<br>database for varietal identification, traceability, and<br>genetic diversity assessment  |
|               |   |  | Oral        | Alessia Cuccurullo<br>(Università degli Studi di<br>Napoli Federico II)  | The characterization of the complete panel of<br>CRISPR/Cas9-edited lines targeting the core genes<br>of strigolactone biosynthesis revealed novel<br>phenotypic effects and identified DWARF27 (D27)<br>as a key gene for conferring resistance to parasitic<br>weeds in tomato |
|               |   |  | Oral        | Annalisa Cocozza<br>(Università di Napoli<br>Federico II/ CREA)  | Exploring agro-qualitative traits and metabolic<br>compounds in cultivated pepper towards dissection<br>of underlying genetic basis  |
|               |   |  | Oral        | Elisa Cappetta<br>(Università degli studi di<br>Salerno)   | Transcriptional reprogramming and growth<br>enhancement in pepper seeds mediated by iron<br>oxide nanoparticle priming   |
|               |   |  | Oral        | Sara Passaro (CREA-<br>OFA (Caserta))  | A smart workflow for chestnut variety identification<br>by SNP genotyping  |
|               |   |  | Short comm. | Giorgia Capasso (CNR -<br>IBBR - Istituto di<br>Bioscienze e Biorisorse)   | Nanotechnology-based approaches for improving<br>delivery of genome editing reagents in plants   |
|               |   |  | Short comm. | Martina Ghidoli (DISAA-<br>UNIM)   | Breeding Novel Varieties of Camelina sativa L. and<br>Investigating Its Potential as an Intermediate Crop  |
| ore 15:45     |   |  |             |  |  |
| P12 - Aula 8  | Luigi Piemontese<br>(Università di Firenze)   | The role of remote sensing in supporting agricultural and<br>selvicultural management          | Oral        | Alessandra Lepore<br>(Università degli Studi di<br>Salerno)  | Assessing Soil Variability in Citrus Orchards Using<br>Electromagnetic Induction and Satellite Remote<br>Sensing   |
|               |   |  | Oral        | Andrea Confessore<br>(Università degli studi di<br>Firenze)  | Virtual Fencing and Remote Sensing: Enhancing<br>Herd Management Efficiency in Alpine Grazing  |
|               |   |  | Oral        | Arianna Casarini<br>(Università Degli Studi Di<br>Milano)  | Identifying Potential Old-Growth Forests with<br>Remote Sensing in Northern Italy  |
|               |   |  | Oral        | Paola Pasta (Università<br>degli Studi di Milano)  | Precision Weed project: innovative approaches to<br>site-specific weed management in maize using<br>advanced sensing technologies  |
|               |   |  | Oral        | Celine Russo (Università<br>degli Studi di Firenze)  | Comparison of vegetation indexes obtained by<br>remote sensing and UAV in viticulture: a case<br>study   |
|               |   |  | Short comm. | Luana Centorame<br>(Università Politecnica<br>delle Marche)  | Exploring the Use of Drones for Corn Borer<br>Management: a Case Study in Central Italy  |
|               |   |  | Short comm. | Angeloluigi Aprile<br>(Dipartimento di Agraria<br>Università Degli Studi Di<br>Napoli Federico II)   | Evaluation of Optimal Irrigation Volumes for an<br>Industrial Tomato Season in a Sample Area of<br>Campania Through the Analysis of Satellite<br>Imagery, Reanalysis Data, and Agro-Hydrological<br>Model  |
|               |   |  | Short comm. | Oscar Rosario Belfiore<br>(Dipartimento di Agraria<br>Università Degli Studi Di<br>Napoli Federico II)   | Remote sensing modeling of evapotranspiration of<br>herbaceous irrigated crops in California   |
| 6 Giugno 2025 |   |  |             |  |  |
| Ore 9:00      |   |  |             |  |  |
| P13 - Aula 1  | Mariialaura Bancheri<br>(CNR - ISAFoM)  | Novel strategies to study the health of forest soils   | Oral        | Beatrice Fiore<br>(Università degli Studi di<br>Firenze - Dipartimento<br>DAGRI)   | Assessing the effects of different forest<br>management practices on soil health and forage<br>supply in a Mediterranean silvopastoral system  |
|               |   |  | Oral        | Giuseppina Iacomino<br>(Dipartimento di Agraria<br>Università Degli Studi Di<br>Napoli Federico II)  | Long-Term Biochar Effects in Mediterranean<br>Forests: Soil Chemistry and Microbiota at Ancient<br>Kiln Sites  |
|               |   |  | Oral        | Pasquale Napoletano<br>(Università degli Studi di<br>Firenze)  | Effect of fire burning on microplastic particles lying<br>on the forest soil surface   |
|               |   |  | Oral        | William Trenti (Università<br>di Bologna)  | Digital soil mapping in mountain environments:<br>insights into soil genesis, diversity, and evolution   |
| ore 9:00      |   |  |             |  |  |
| P14 - Aula 2  | Chiara Amitrano<br>(Dipartimento di Agraria<br>Università Degli Studi Di<br>Napoli Federico II) | Advancements in managing water use efficiency for crops<br>grown under water stress            | Oral        | Andrea Carli<br>(Dipartimento di Scienze<br>e Tecnologie Agrarie,<br>Alimentari, Ambientali e<br>Forestali (DAGRI) –<br>Università degli Studi di<br>Firenze)      | Effects of water stress on agronomic,<br>morphological and physiological parameters of<br>maize hybrids with different drought tolerance   |
|               |   |  | Oral        | Anna Bertocini<br>(Università di Milano )<br>Cassandra Detti<br>(Università di Firenze<br>DAGRI)   | Exploring the Impact of Stomatal Density and<br>Morphology on Water-Use Efficiency in barley<br>Maximizing polyphenols in leaf extracts:<br>Sustainable insights from Arbutus unedo trees<br>under water stress  |
|               |   |  | Oral        | Giulia Pastacaldi<br>(Dipartimento di Scienze<br>e Tecnologie Agrarie,<br>Alimentari, Ambientali e<br>Forestali (DAGRI) -<br>Università degli Studi di<br>Firenze) | Assessment of soybean water productivity and<br>grain yield under optimal and regulated deficit<br>irrigation  |
|               |   |  | Oral        | Marianna Leone (Water<br>Research Institute<br>National Research<br>Council Bari, Italy)   | Using treated wastewater in agriculture: water and<br>nutrient resource  |
| ore 9:00      |   |  |             |  |  |
| P15 - Aula 7  | Giulia Franzoni<br>(Università degli Studi di<br>Milano)  | Effects of biostimulant application on plant growth and<br>development                         | Oral        | Anna Agosti (Università<br>di Parma)   | Evaluation of fermented kiwifruit by-product as<br>biostimulant for tomato plants, cv. Solarino, grown<br>in soilless conditions   |
|               |   |  | Oral        | Giovanna Marta Fusco<br>(Università degli Studi<br>della Campania "Luigi<br>Vanvitelli")   | Effects of Plant-Based Biostimulants on Processing<br>Tomato 'Heinz cv. 1534' Over Two Years of<br>Cultivation in Southern Italy   |
|               |   |  | Oral        | Ilaria Ragnoli (Università<br>Cattolica del Sacro<br>Cuore )   | Different mycorrhiza strains and inoculation<br>methods provide distinct metabolomic and<br>lipidomic responses in tomato plant  |
|               |   |  | Oral        | Livia Pappalettere<br>(Istituto di Produzioni<br>Vegetali della Scuola<br>Superiore Sant'Anna di<br>Pisa)  | Biostimulant Effects of Auxin-Producing Bacteria<br>on Tomato and Olive Growth: Studies on Seed<br>Priming and Soil Inoculation  |

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|              |   |   | Oral        | Sonia Marcone (Federico II, dipartimento di Agraria)   | Effects of plant growth-promoting and phosphate-solubilizing microorganisms on tomato ( <i>Solanum lycopersicum</i> L.)  |
| ore 9:00     |   |   |             |  |  |
| P16 - Aula 8 | Giovanni Ricci (Università di Bari Aldo Moro)                                     | Cross-Disciplinary Approaches to Agroecological Sustainability: From Product Quality to Ecosystem Restoration | Oral        | André Pierre Marie Fabbri (CNR-IPSP)   | Analytical framework for High Throughput Plant Phenotyping pipelines   |
|              |   |   | Oral        | Martina Sinno (Dipartimento di Agraria, Università degli studi di "Napoli Federico II")                        | Microbial-Based Strategies for Sustainable Crop Protection: Deciphering Plant Responses Through Multi-Omic Approaches  |
|              |   |   | Oral        | Chiara Costamagna (DISAFA - Università degli Studi di Torino)  | Wool enhancement for sustainable development of Piedmont's Alpine valleys  |
|              |   |   | Oral        | Miriam Chiarulli (Università degli Studi di Bari Aldo Moro)  | Monitoring of soil bioengineering interventions for the restoration of coastal dunes in Southern Italy   |
|              |   |   | Oral        | Selene Ollani (Università di Torino - DISAFA)  | Nergi® Delight: preliminary sensory evaluation of fresh and transformed baby kiwi by-products  |
| ore 11:30    |   |   |             |  |  |
| P17 - Aula 1 | Mariano Crimaldi (Dipartimento di Agraria, Università di Napoli Federico II)      | Abiotic Stressors and Their Influence on Plant growth   | Oral        | Alessio Elia (Università degli studi di Bari Aldo Moro)  | Nickel Toxicity and Uptake in Hydroponic Lettuce   |
|              |   |   | Oral        | Laura Alberico (Università degli Studi della Campania "Luigi Vanvitelli")                                      | Activation of retrotransposons by salt stress and seaweed extracts in Micro-Tom genome   |
|              |   |   | Oral        | Luana Circelli (Università degli Studi del Molise)   | Microplastics extraction from sandy soils of southern Italy: ATR spectroscopy and SEM analysis evaluation  |
|              |   |   | Oral        | Subrahmanyam Thotakura (Dipartimento di Farmacia, Università degli Studi di Salerno)                           | Phytotoxic effect of chilli pepper ( <i>Capsicum annum</i> L.) extract on germination and growth of different plant species  |
|              |   |   | Oral        | Rosalinda Nicastro (Università degli Studi della Campania "Luigi Vanvitelli")                                  | Exploring the impact of human urine derivatives on gene expression in soilless lettuce   |
| ore 11:30    |   |   |             |  |  |
| P18 - Aula 2 | Gelsomina Manganiello (Dipartimento di Agraria, Università di Napoli Federico II) | Development and nutraceutical aspects of Mediterranean crops  | Oral        | Andrea Baptista (Scienze e Tecnologie Agrarie, Alimentari Ambientali e Forestali (DAGRI) - UNIFI)              | Unveiling the Hidden Potential of Six Rosemary Cultivars: Phenolic, Terpenic Profiles, and Antioxidant Capacity  |
|              |   |   | Oral        | Bruna De Falco (Università degli Studi di Napoli Federico II, Dipartimento di Agraria)                         | 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 (IPSP- CNR)  | Exploring wild <i>Thymus</i> sp. (L.) chemotypes provides thyme-derived products preventing fungal proliferation on paper  |
|              |   |   | Oral        | Giulia Daniele (Dipartimento di Scienze Agrarie e Forestali, Università degli Studi di Torino)                 | Germination performances of twelve native Mediterranean wildflower species in different urban soils under climate change scenarios                                   |
|              |   |   | Oral        | Sofia Del Gaudio (UNISA- UNIBAS)   | Evaluation of rye ( <i>Secale cereale</i> L.); nitrogen use efficiency, agronomic potential and sustainability in Matese Regional Park                               |
| ore 11:30    |   |   |             |  |  |
| P19 - Aula 7 | Paolo Dessì (Dipartimento di Agraria, Università di Napoli Federico II)           | Sustainable agronomical practices in a changing climate   | Oral        | Andrea Giacomelli (Università di Pavia )   | <i>Zea mays</i> L. landraces under climate change: the effect of different growth environments on morphology and yield   |
|              |   |   | Oral        | Christopher Dichio (Università degli studi della Basilicata)   | Impact of Sustainable Practices on Actinidia Roots with KVDS Symptoms and Characterization of New Rootstocks   |
|              |   |   | Oral        | Martina Ludovica Careddu (Università di Sassari)   | Trait-Based Adaptation of Durum Wheat to Future Climate Scenarios  |
|              |   |   | Oral        | Michele Denora (UNIBAS DAFE)   | Agronomic Performance in Durum Wheat-Vetch Intercropping: an Agroecological Strategy for Resource Use Efficiency   |
|              |   |   | Oral        | Paolo Emilio Bartolucci (Università degli Studi di Perugia)  | 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   |
| ore 11:30    |   |   |             |  |  |
| P20 - Aula 8 | Ferrero Francesco (Università degli Studi di Torino)                              | Light, Soil, and Sustainability: New Horizons in Crop Physiology and Management                               | Oral        | Fabio Scotto Di Covella (Scuola Superiore Sant'Anna)   | Physiological and productivity responses of green and red lettuce under Pulsed Light   |
|              |   |   | Oral        | Marco Perfetto (Dipartimento di Scienze Agrarie e Ambientali - Università degli Studi di Milano)               | Towards herbicide-free cover crop management: mathematical modeling frost winterkill termination   |
|              |   |   | Oral        | Portaccio Letizia (Università del Salento)   | Behaviour of olive suckers against <i>Xylella fastidiosa</i> : resistance and differences between cultivars  |
|              |   |   | Oral        | Octavian P. Chiriac (Università di Torino)   | Exploring the Spatial Variability of Nitrogen Balance and Its Relationship with Soil Properties  |
|              |   |   | Oral        | Sara Anichini (Università degli studi di Firenze)  | Growth and antioxidant capacity of four Tuscan landraces under different wavelengths of LED light  |
| Ore 12:30    |   |   |             |  |  |
| P21 - Aula 1 | Pierluigi Mazzei (Dipartimento di Farmacia, Università degli Studi di Salerno)    | Innovative Approaches in Plant tree Phenotyping and Environmental Stress Mitigation                           | Oral        | Andrea Sica (Università degli studi di Salerno )   | MRI and NIR spectroscopies to correlate hazelnuts morphological and structural characteristics with agronomic treatments, bedbug occult damage and varietal features |
|              |   |   | Oral        | Elèna Grobler (Università degli Studi di Salerno)  | Leaf Morphometry and Convolutional Neural Networks (CNN) for Hazelnut Cultivar Identification  |
|              |   |   | Oral        | Francesca Alderotti (Consiglio Nazionale delle Ricerche - Istituto per la Protezione Sostenibile delle Piante) | Seasonal variations in wood starch concentration as key physiological markers associated with <i>Quercus ilex</i> L. crown defoliation                               |
|              |   |   | Oral        | Sara Beltrami (Università di Firenze, dipartimento DAGRI)  | New streetlamp solutions to reduce the impact of urban light pollution on trees: can tailored lighting spectra mitigate adverse effects?                             |
|              |   |   | Short comm. | Aurora Cirillo (Dipartimento di Agraria, Università di Napoli Federico II)                                     | Biochemical and Nutraceutical Characterization of Different Accessions of the Apricot ( <i>Prunus armeniaca</i> L.)  |
| ore 12:30    |   |   |             |  |  |
| P22 - Aula 2 | Silvia Proietti (Università della Tuscia)   | Advances in Microbiome Interactions, Biocontrol Strategies, and Breeding for Resilient Tomato Cultivation     | Oral        | Francesco Maria Fagnano (Dipartimento di Ingegneria Chimica, dei Materiali e della Produzione Industriale)     | Decoding the endophytic bacterial microbiota of tomato to construct in silico microbial consortia  |

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|  |  |   | Oral        | Leilei Zhang (Università Cattolica del Sacro Cuore)  | Impact of Polyethylene Nanoplastics on Plant-Rhizosphere Interactions in Lettuce (cv. Canasta) and tomato (cv. Microtom): A Multi-Omics Approach              |
|  |  |   | Oral        | Salvatore Graci (Università degli studi di Napoli Federico II)   | Harnessing breeding selection and heat tolerance in tomato: constitution of resilient hybrids for climate change adaptation                                   |
|  |  |   | Oral        | Vincenzo Cono (Dipartimento di Agraria/Università degli Studi di Napoli)                                     | Stepwise screening of effective new fungal and bacterial biocontrol agents of soilborne tomato diseases using high-throughput digital plant phenotyping       |
| ore 12:30<br>P23 - Aula 7  | Fabio Boncinelli (Università di Firenze)   | Sustainable Forest and Agroforestry Management: Integrating Biomass, Ecosystem Services, and Climate Resilience       | Oral        | Alice Carlotta Tani (CREA - Politiche e Bioeconomia)   | Geospatial Analysis of Agroforestry Biomass for Sustainable Bioenergy Supply Chains: Insights from the Lazio Region   |
|  |  |   | Oral        | Emanuele Spada (Università Mediterranea di Reggio Calabria )   | Community Economic Losses from Forest Fires: A Focus on Environmental Assets and Ecosystem Services   |
|  |  |   | Oral        | Federico Romanato (Università degli studi di Milano)   | Towards a sustainable and modern silvicultural management for direct protection forests   |
|  |  |   | Oral        | Majid Zadmirzaei (Università della Basilicata)   | Sustainable Forest Management: Multi-Objective Strategies in the European Forest Sector   |
|  |  |   | Oral        | Stefano Ceci (CREA-FL)   | Urban Reforestation Perspectives in the Fight Against Climate Change  |
| ore 12:30<br>P24 - Aula 8  | Riccardo Baroncelli (Alma Mater Studiorum, Università di Bologna)                | From Genetic Variability to Market Preferences: A Multidisciplinary Approach in Viticulture                           | Oral        | Andrea Dominici (Università degli Studi di Padova)   | Communicating sustainability in wine: the influence of environmental and social messages on PIWI Wine Preferences   |
|  |  |   | Oral        | Carmine Carratore (Università di Verona)   | Genome editing applications on grapevine cvs. Aglianico and Falanghina for the knockout of susceptibility genes   |
|  |  |   | Oral        | Silvia Procino (CNR-IBBR)  | Disclosure of genetic variability within grapevine varieties originating from Southern Italy  |
|  |  |   | Oral        | Ambrogio Chiriaco (DISSPA di Bari)   | Stomatal variations in Vitis vinifera L.: varietal/clonal differences and response to climatic conditions   |
|  |  |   | Short comm. | Ferdinando Corti (DAGRI Unifi)   | Preliminary study on the physical characteristics of the fermentation cap and their relationship to grape must extraction parameters                          |
| ore 15:30<br>P25 - Aula 1  | Ida Romano (Dipartimento di Agraria, Università di Napoli Federico II)           | Emerging Technologies in Circular Bioeconomy: Waste-Derived Solutions for Agriculture                                 | Oral        | Angela Longo (Sapienza Università di Roma)   | Development of biotechnological processes for bioplastics production from dairy waste using selected microorganisms   |
|  |  |   | Oral        | Elia Pagliarini (Università di Bologna)  | The AFRODITE® process: High-agronomic value of selected poultry manure valorized through aerobic fermentation   |
|  |  |   | Oral        | Marika Peli (Università di Verona)   | Microalgae cultivation on biogas digestate fractions: a sustainable pathway for biostimulants production  |
| ore 15:30<br>P26 - Aula 2  | Francesco Serrapica (Dipartimento di Agraria, Università di Napoli Federico II)  | Sustainable Livestock Production: Environmental Monitoring and Product Quality  | Oral        | Edda Mainardi (Università degli Studi di Milano)   | Characterization of Grass-fed Bergamasca sheep products   |
|  | Claudia Lambiase (Dipartimento di Agraria, Università di Napoli Federico II)     |   | Oral        | Alessandra Apostolico (Università degli Studi di Napoli Federico II)   | IoT-Based Monitoring System of Ammonia Emissions in Naturally Ventilated Buffalo Barns: Sensor Network Development  |
|  |  |   | Oral        | Gabriele Rolando (Università di Torino)  | Land occupation to produce milk: relationship between on-farm and off-farm feed production, nitrogen balance and carbon footprint                             |
|  |  |   | Oral        | Marina Allegrezza (Università degli Studi di Milano - Dipartimento di Scienze Agrarie e Ambientali)          | Monitoring GHGs fluxes following slurry distribution in three alternative forage system managements   |
|  |  |   | Short comm. | Andrea Balivo (Dipartimento di Agraria - Università degli studi di Napoli Federico II)                       | Impact of Metodo Nobile pasture on the chemical, physical, and sensory properties of goat Caciotta cheese   |
| ore 15:30<br>P27 - Aula 7  | Beatrice Giannetta (Università di Foggia)  | Assessing Soil Carbon Stocks and Fluxes: Methods and Applications in Cropping Systems                                 | Oral        | Chiara Poesio (Università degli studi di Perugia - Dipartimento di Scienze Agrarie, Alimentari e Ambientali) | Soil carbon sequestration in different cropping systems: A mid-term field experiment  |
|  |  |   | Oral        | Elettra Longobardi (Università degli studi del Molise UNIMOL)  | Thirty years of soil organic carbon and land use changes in central Apennines (Molise region) using vis-NIR soil spectroscopy                                 |
|  |  |   | Oral        | Leonardo Vario (Università degli studi di Milano)  | The Roots Awakens: modelling root autotrophic respiration to enhance soil CO2 fluxes for cropping systems C balance assessment                                |
|  |  |   | Oral        | Mauro De Feudis (Università di Bologna)  | Savanna ecosystem restoration: soil carbon and nutrient dynamics in Kenya's Maasai Mara   |
| ore 15:30<br>P28 - Aula 8  | Christophe El-Nakhel (Dipartimento di Agraria, Università di Napoli Federico II) | Optimizing Irrigation and Water Use Efficiency in Open-Field Tomato Production  | Oral        | Andrea Burato (Università degli Studi della Basilicata)  | Optimizing open-field tomato irrigation: A data-driven approach   |
|  |  |   | Oral        | Maria Eleonora Pelosi (Università di Napoli Federico II)   | Water Management by Mulching on Processing Tomato Yield and Quality   |
|  |  |   | Oral        | Martina Galaverni (Università di Parma)  | Evaluation of new biostimulants effectiveness on tomatoes grown under water stress conditions   |
|  |  |   | Oral        | Nicolò Iacuzzi (Dipartimento di Scienze Agrarie, Alimentari e Forestali, Università degli Studi di Palermo)  | Application of the water footprint in sustainable management and protection of water resources for processed tomato cultivation in Mediterranean environments |
| ore 15:30<br>P29 - Aula LING   | Oscar Belfiore (Dipartimento di Agraria, Università di Napoli Federico II)       | Bridging the Gap: Developing and Implementing Geospatial Decision Support Systems for the Sustainable Use of the Land | Oral        | Marialaura Bancheri (CNR - ISAFoM)   | Two Dynamic, Process-Based Tools for Quantitative Assessment of Nitrate and Pesticide Leaching to Protect Groundwater   |
| A cura del CRISP Centro di Ricerca Interdipartimental e sulla "Earth Critical Zone" per il supporto alla Gestione del Paesaggio e dell'Agro ambiente |  |   | Oral        | Piero Manna (CNR - ISAFoM)   | A tool for the sustainable management of viticulture in Campania.   |
|  |  |   | Oral        | Nada Mzid (Dipartimento di Agraria, Università di Napoli Federico II)  | A tool to assess Land Degradation at Regional and National scale  |
|  |  |   | Oral        | Carlo Perreca (Dipartimento di Agraria, Università degli Studi di Napoli Federico II)                        | A Decision Support Tool for Mitigating Land Take at the National Scale.   |