



## **THURSDAY 6<sup>th</sup> February 2020**

09.30 - 10.00 Registration and welcome coffee break

10.00 - 10.30 Opening Ceremony (Room 3)

### **Session “Evolution and Adaptation”**

Chairpersons: Antonella Smeriglio & Simone Di Piazza

Room 3

- 10.30 - 10.40 **Elena Secomandi** Università di Bologna  
*“Constitutive and herbivore-induced emission of Volatile Organic Compounds (VOCs) by Prunus armeniaca (L.) plants infested by Capnodis tenebrionis (L.) beetles”*
- 10.40 - 10.50 **Chiara Daccò** Università di Pavia  
*“The fungal genus Trichoderma: can be useful for the biodegradation of used engine oil?”*
- 10.50 - 11.00 **Claudia Coleine** Università della Tuscia  
*“Insights into the genome of Antarctic cryptoendolithic black fungi”*
- 11.00 - 11.10 **Elisa Abate** Università di Messina  
*“Is plant water content a useful tool for predicting the risk of drought-induced mortality?”*
- 11.10 - 11.20 **Luca Giupponi** Università di Milano  
*“How vegetation analysis can renew soil bioengineering for slope stabilization”*
- 11.20 - 11.30 **Chiara Tonon** Università di Torino  
*“Hyphal melanisation in microcolonial fungi: a prerequisite for the penetration into marble?”*
- 11.30 - 11.40 **Matteo Chialva** Università di Torino  
*“The role of the arbuscular mycorrhizal symbiosis on tomato resilience to combined stress: from phenomics to functional genomics approaches”*
- 11.40 - 11.50 **Grazia Cecchi** Università di Genova  
*“Mycoremediation of heavy metals in the waters of the Port of Genoa (EU Interreg Project V-A Italy France Maritime 2014 – 2020 “GEREMIA - Waste management for the improvement of port waters””*
- 11.50 - 12.00 **Melissa Simiele** Università del Molise  
*“Assisted phytoremediation of a former mine soil using biochar and iron sulphate: effects on As soil immobilization and accumulation in three Salicaceae species”*
- 12.00 - 12.10 **Silvia Moschin** Università di Padova  
*“MADS-box genes and development of flower and fruit in Nymphaea caerulea: modern traits and old inventions”*

- 12.10 - 12.20 **Roberta Ascrizzi** Università di Pisa  
*"Small functional foods: Phytochemical and nutritional analyses of five Brassicaceae species microgreens"*
- 12.20 - 12.25 **Basma Najar** Università di Pisa  
*"Viburnum tinus L.: investigation on its spontaneous from shoot system"*
- 12.25 - 12.30 **Ivonne Chiodaroli** Università di Pavia  
*"Fungi: a microscopic threat to a museum collection"*
- 12.30 - 14.00 **LUNCH**
- 14.00 - 14.10 **Damiano Spagnuolo** Università di Messina  
*"Porphyra dioica J.Brodie et L.M.Irvine; a first look to a mass cultivation of a European species"*
- 14.10 - 14.20 **Saverio Savio** Università di Roma Tor Vergata  
*"Value-added co-products from biomass of the diatoms Staurosirella pinnata and Phaeodactylum tricornutum"*
- 14.20 - 14.30 **Danilo Manzi** Università di Pavia  
*"Microfungal communities in a paddy irrigation system water and effect of fungicides and mechanical management"*
- 14.30 - 14.40 **Carolina Elena Girometta and Daniela Ratto** Università di Pavia  
*"Studies on Hericium erinaceus for a better use of its medicinal properties in central nervous system"*
- 14.40 - 14.50 **Andrea Colpo** Università di Ferrara  
*"Photoprotection in Selaginella martensii Spring (Lycopodiophyta) acclimated to different light regimes"*
- 14.50 - 15.00 **Veronica Spinelli** Università di Roma La Sapienza  
*"What it takes to be a plant growth promoter: characterization of two strains of soil saprotrophic fungi Minimedusa polyspora and Chaetomium globosum"*
- 15.00- 15.10 **Erika Bellini** Università di Roma Tor Vergata  
*"Homeostatic needs and toxicity of metals: characterization of phytochelatin synthase in the liverwort Marchantia polymorpha"*
- 15.10 - 15.20 **Sara Romeo** Università di Genova  
*"Experimental design to assess integrated phytoremediation approach"*
- 15.20 - 15.25 **Miriam Bazzicalupo** Università di Genova  
*"Do you manage it, or do you want help? Effect of self and cross-pollination on the seed set of two Ophrys species"*
- 15.25 - 15.30 **Carlo Ugolotti** Università di Pavia  
*"Characterization and Antioxidant Activity of Sympatric Orchid Species' Essential Oils from two Ligurian localities"*
- 15.30 - 15.35 **Cristina Blandino** Università di Catania  
*"Effect of volcanogenic heavy metals on seed germination of Mt. Etna native plants"*
- 15.35 - 15-40 **Cristina Danna** Università di Genova  
*"Plants, people and traditions in the Gran Paradiso National Park (Western Alps, Italy)"*

- 15.40 - 15.45 **Valeria Fochi** Università del Piemonte Orientale  
*"Citrus bergamia Risso & Poiteau: quality assessment and authentication via PCR-based molecular analysis"*
- 15.45 - 16.15 **COFFEE BREAK**
- 16.15 - 16.20 **Elisabetta Naldi** Università di Pavia  
*"Chemical Composition of Essential Oils from Aerial parts of Spergula pentandra L. from Kurdistan-Region-Iraq"*
- 16.20 - 16.25 **Alberta Cascini** Università di Genova  
*"Use of two exotic plant extracts against the venom from Velella velella (Cnidaria: Hydrozoa)"*
- 16.25 - 16.30 **Simone Belmondo** Università di Torino  
*"Characterization of polyketide synthases in an ericoid endomycorrhizal fungus using a molecular approach"*
- 16.30 - 16.35 **Federica Betuzzi** Università di Genova  
*"Application of forensic botany to veterinary medicine"*
- 16.35 - 16.40 **Gabriele Ambu** Università di Genova  
*"Medicinal plants used to treat skin diseases in rural villages of Kavrepalnchowk District, Central Nepal"*
- 16.40 - 16.45 **Greta D'Apice** Università di Padova  
*"Morphological characterization of the developing ovules of Ginkgo biloba and associated molecular pathways involved in the development of the fleshy sarcotesta"*
- 16.45 - 16.50 **Maria Beatrice Castellani** Università di Firenze  
*"An evolutionary approach for the study of spatial diversity of freshwater macrophytes in Central and Northern Italy"*
- 16.50 - 16.55 **Erica Dinatale** Università di Milano  
*"A possible endophytic symbiont of Androsace brevis (Hegetschw.) Cesati (Primulaceae)"*
- 16.55 - 17.00 **Michele Maglie** Università di Ferrara  
*"Co-cultivation of Tisochrysis lutea and Nannochloropsis oculata: preliminary tests on cultivation medium and starter inoculum variations"*
- 17.00 - 17.05 **Andrea Crosino** Università di Torino  
*"Chitin oligomers extraction from fungal biomass and their use as promoters of arbuscular mycorrhizal symbiosis"*
- 17.05 - 17.10 **Massimiliano Rossi** Università di Roma Tor Vergata  
*"Biotechnological strategies to improve salt stress resistance in Brassica napus L."*
- 17.10 - 17.15 **Andrea Rossi** Università del Molise  
*"Toward understanding differences in lateral root formation from Arabidopsis root in primary and secondary structure"*
- 17.15 - 17.20 **Ester Rosa** Università di Genova  
*"Fungal education and outreach aims"*

## Session “Vegetation science, macroecology and biogeography”

Chairpersons: Marta Carboni & Gabriele Casazza

Room 2

- 10.30 - 10.40 **Alessandro Bricca** Università di Camerino  
*“Latitudinal and elevation gradient differently drives species understory coexistence in beech forests of Apennine chain (Italy)”*
- 10.40 - 10.50 **Arianna Ferrara** Università di Camerino  
*“How fine-scale abiotic and biotic variations affect taxonomic diversity in abandoned sub-Mediterranean grasslands”*
- 10.50 - 11.00 **Francesco Porro** Università di Pavia  
*“Comparative seed germination patterns of alpine plants in the context of climate change”*
- 11.00 - 11.10 **Pilar Hurtado** Universidad Rey Juan Carlos  
*“Intraspecific variability is the main driver of functional changes in lichen communities”*
- 11.10 - 11.20 **Elena Eustacchio** Università di Milano  
*“High-mountain plant-pollinators interactions: the case of the narrow endemic alpine plant *Androsace brevis* (Hegetschw.) Ces. (Primulaceae)”*
- 11.20 - 11.30 **Alessio Minici** Università di Milano  
*“Videorecordings as an innovative method to investigate the behaviour of arthropods on high altitude plants. The case study of *Androsace brevis* (Hegetschw.) Cesati (Primulaceae)”*
- 11.30 - 11.40 **Massimo Domenico Novellino** CNR-IGAG  
*“Subalpine vegetation changes triggered by mining and livestock husbandry close to a recently excavated medieval settlement (Piani di Sasso, Lombardy Alps)”*
- 11.40 - 11.50 **Claudia D’Ercole** Università di Firenze  
*“The effect of exotic plant species on phylogenetic diversity of common reeds communities”*
- 11.50 - 12.00 **Ian Briozzo** Università di Genova  
*“Habitat 3170\* - Mediterranean temporary ponds (Directive 92/43/EEC): distribution and characterization in Liguria”*
- 12.00 - 12-10 **Marco Varricchione** Università del Molise  
*“Temporal Changes In The Floristic Composition, Ecology And Structure On High Mountain Grasslands: Preliminary Observations In The Matese Lter Site (Lter\_Eu\_It\_022)”*
- 12.10 - 12.20 **Emilio Corti** Università di Firenze  
*“Different plant communities hosting *Ionopsidium savianum* (Caruel) Arcang. in Tuscany: taxonomic and functional diversity”*
- 12.20 - 12.30 **Fabio Tolu** Università di Camerino  
*“How biyearly mowing and *Brachypodium rupestre*’s features affects plant community”*
- 12.30 - 14.00 **LUNCH**
- 14.00 - 14.10 **Barbara Valle** Università di Milano  
*“Ecological characteristics of plant communities of supraglacial debris and the role of debris-covered glaciers as refugia for cold-sthenotherm species”*
- 14.10 - 14.20 **Francesco Rota** Libera Università di Bolzano  
*“Quantifying habitat suitability for narrow endemic alpine plant species in the Dolomites (Italy) under predicted climate change”*

- 14.20 - 14.30 **Giovanni Riviaccio** Università di Sassari  
*"Sustainable management practices in Mediterranean agroforestry systems using the Adaptive Multi-Paddock model (project Life Regenerate - Revitalizing multifunctional Mediterranean agrosilvopastoral systems using dynamic and profitable operational practices - LIFE16 ENV/ES/000276)"*
- 14.30 - 14.40 **Magda Zanzottera** Università di Milano  
*"Functional phytosociology of woody Italian vegetation"*
- 14.40 - 14.50 **Eleonora Clò** Università di Modena e Reggio Emilia  
*"Palynology to investigate environmental transformations on a long-term perspective in the Po Plain: the case study of the Terramara S. Rosa di Poviglio"*
- 14.50 - 15.00 **Tiziana Panichella** Università di Camerino  
*"The pastoral landscapes of arenaceous substrata in the Monti Sibillini National Park (Central Italy)"*
- 15.00- 15.10 **Giovanna Piga** Università di Sassari  
*"Cross-taxon analysis of vascular plants and ants in a Mediterranean agroforestry system: first results from the project "Innovative beef cattle Grazing systems for the Restoration of Abandoned Lands in the Alpine and Mediterranean mountains" (IGRAL-AGER2)"*
- 15.10 - 15.20 **Luigi Cao Pinna** Università di Roma Tre  
*"Plant invasions in the Mediterranean basin"*
- 15.20 - 15.30 **Chiara Vallese** Università di Bologna  
*"Exploring dynamics of high elevation vegetation under changing climate"*
- 15.30 - 15.40 **Francesco Pio Tozzi** Università del Molise  
*"Beach litter ecological effects along the Central Adriatic coast of Italy"*
- 15.45 - 16.15 *COFFEE BREAK*
- 16.15 - 16.20 **Andrea De Toma** Università di Roma Tre  
*"Alpine shrub encroachment in the central Apennines: current patterns and temporal trends"*
- 16.20 - 16.25 **Silvia Giulio** Università di Roma Tre  
*"Realised niche shift of invading Euphorbia paralias"*
- 16.25 - 16.30 **Lucia Lenzi** Università di Bologna  
*"Pollinator diversity and efficiency in apple orchards in Emilia-Romagna"*
- 16.30 - 16.35 **Chiara Toffolo** University of South Bohemia  
*"Patterns of vegetation succession at broad geographical scales: the time is ripe for comparative studies and meta-analyses"*
- 16.35 - 16.40 **Diana Sciandra** Università di Milano  
*"Long-term changes in Carex curvula community composition; preliminary results on Orobian Alps"*
- 16.40 - 16.45 **Marta Barberis** Università di Bologna  
*"Nectar trait variability in Aegonychon purpureocaeruleum (L.) Holub"*
- 16.45 - 16.50 **Flaminia Mariani** Università di Roma Tre  
*"Experimental evidence of the consumption of the invasive alien duckweed Lemna minuta by herbivorous larvae of Cataclysta lemnata. Are we facing a potential biocontroller?"*
- 16.50 - 16.55 **Valentina Iesari** Università di Camerino  
*"Effect of grassland's mosaic structure and dynamism on the habitat suitability for the Alectoris graeca singer male in a central Apennine pastoral landscape"*

- 16.55 - 17.00 **Dario Azzaro** Università di Catania  
*"Diversity of succulent species in the native flora of Sicily"*
- 17.00 - 17.05 **Chiara Calise** Università di Genova  
*"A morphological and phytosociological comparison between *Jacobaea persoonii* e *Jacobaea incana* in the Ligurian Alps"*
- 17.05 - 17.10 **Alice Misuri** Università di Firenze  
*"Investigations on ecology and distribution of *Senecio inaequidens* DC. in Tuscany"*
- 17.10 - 17.15 **Silvia Piccinelli** Università dell'Insubria  
*"Responses of rock glacier vegetation to climate change"*
- 17.15 - 17.20 **Alice Dalla Vecchia** Università di Parma  
*"Strengths and weaknesses of the use of functional traits in recent studies on macrophytes"*
- 17.20 - 17.25 **Carla Pappalardo** Università di Catania  
*"Ecology and germination of orofite endemo-vicariants of Sicily"*
- 17.25 - 17.30 **Martina Bottoni** Università di Milano  
*"ETHNOBOTANIC SURVEY: THE "BACKSTAGE" Research experience told through difficulties, human relationships and funny moments"*



**FRIDAY 7<sup>th</sup> February 2020**

### **Session “Sistematic and Conservation”**

Chairpersons: Claudia Turcato & Karl Duffy

Room 3 Albergo dei Poveri

- 09.30 - 09.40 **Jacopo Calevo** Università di Torino  
*“A multidisciplinary molecular approach for the conservation of the endangered *Orchis patens*”*
- 09.40 - 09.50 **Michele Lussu** Università di Cagliari  
*“A synopsis of Sardinian studies: why is it important to work on island orchids?”*
- 09.50 - 10.00 **Veronica Ranno** Università di Catania  
*“*Betula aetnensis*: thermal and water potential thresholds of regeneration by seed for a narrow endemic high mountain Mediterranean birch”*
- 10.00 - 10.10 **Lucia Varaldo** Università di Genova  
*“The role of protected areas and translocations in preserving Italian endemic species in the face of future climate change”*
- 10.10 - 10.20 **Federico Biagioli** Università della Tuscia  
*“Management and conservation of Showcaves: Study of microbial biodiversity to evaluate the anthropic impact”*
- 10.20 - 10.30 **Gianmarco Tavilla** Università di Catania  
*“Conservation of endemic and rare vascular flora in the areas around Messina: current status and protection proposals”*
- 10.30 - 10.40 **Tiberius Jimbo** Papua New Guinea Forest Research Institute  
*“Exploring the Diversity of Psychotria (Rubiaceae) in Lowland and Montane Rainforests in Papua New Guinea”*
- 10.40 - 10.50 **Marta Inglisa** Università della Tuscia  
*“Cryptoendolithic eukaryotic diversity of Helliwell Hills, Victoria Land (Continental Antarctica)”*
- 10.50 - 11.00 **Niccolò Forin** Università di Padova  
*“Molecular characterization and taxonomic revision of types of the genera *Xylaria* and *Rosellinia* belonging to the Pier Andrea Saccardo mycological collection”*
- 11.00 - 11.30 **COFFEE BREAK**

- 11.30 - 11.40 **Rebecca Michela Baiguera** Università di Pavia  
*"Culture collection of Italian wood decay fungal strains for the development of mycelium-based materials"*
- 11.40 - 11.50 **Giacomo Mei** Università Politecnica delle Marche  
*"Differences in taxonomic and ecology traits between *Ehrharta erecta* Lam. and *Ehrharta delicatula* Stapf (Poaceae)"*
- 11.50 - 11.55 **Giancarlo Angeles** Università di Perugia  
*"Application of IUCN Red Listing Criteria at the Regional Levels: A Case Study with Boletales in Umbria (central Italy)"*
- 11.55 - 12.00 **Dario Gisotti** Università di Genova  
*"Critical issues in the compilation of a check-list of macrofungi"*
- 12.00 - 12.05 **Luca Di Nuzzo** Università di Firenze  
*"Influence of ants on lichens beta-diversity and functional traits"*
- 12.05 - 12.10 **Federica Mostardi** Università della Toscana  
*"Survey of culturable fungi in Antarctic cryptoendolithic communities in Victoria Land"*
- 12.10 - 12.15 **Anna Corli** Università di Pavia  
*"Coexistence of intensive rice production and *Marsilea quadrifolia* in the organic rice farms of the Po Valley"*
- 12.15 - 12.20 **Carlo Maria Cusaro** Università di Pavia  
*"Proposal of Pest Risk Analysis (PRA) application within limited territories"*
- 12.20 - 12.25 **Francesco Venice** CNR - Istituto per la Protezione Sostenibile delle Piante  
*"Discovery and Characterization of *Pycnoporellus fulgens* from an unmanaged forest in the Biogenetic Nature Reserve of Vallombrosa within the LIFE MycoRestore Project"*
- 12.25 - 12.30 **Lidia Nicola** Università di Pavia  
*"The biodiversity of soil microfungi in Colombia"*
- 12.30 - 12.35 **Arianna Marengo** Università di Torino  
*"*Ptilostemon casabonae* (L.) Greuter: phytochemical and biomolecular intra-specific variability of a little known endemic Mediterranean plant"*
- 12.35 - 12.40 **Alessandro Infuso** Università di Torino  
*"LIFEorchids (LIFE17NAT/IT/000596): propagation and dissemination"*
- 12.45 - 14.00 *LUNCH*
- 14.00 - 15.30 Tour of the Botanical Garden
- 15.30 - 17.00 **"How to survive in the post-doc jungle"**  
*A chat to draw inspiration from experiences in the field of research, freelance and scientific divulgation*
- 17.00 - 17.30 Conference Closure