

PhD Program Mountain Environment and Agriculture
List of Doctoral Thesis (last updated: May 2025)

Last name	First name	PhD Program Title	PhD Cycle	Thesis title
Terwei	Andre	Mountain Environment	XXVI	Impact of the non-native tree species <i>Prunus serotina</i> Erhr. and <i>Robinia pseudoacacia</i> L. on herb layer and forest dynamics of native floodplain forests in the biosphere reserve Valle del Ticino (NW Italy)
Guerrero Chavez	Guillermo	Mountain Environment	XXVI	Quality, nutraceutical value and aroma of strawberries (<i>Fragaria</i> × <i>ananassa</i> var. <i>Elsanta</i>) produced under mountain environment
Campana	Daniela	Mountain Environment	XXVI	Morphological and ecological assessment of restoration interventions in two alpine rivers
Abraham	John	Mountain Environment	XXVI	Chemoecology of insect-plant interaction
Giammarchi	Francesco	Mountain Environment	XXVI	Growth trends of two Norway Spruce (<i>Picea Abies</i> (L.) Karst.) chronosequences under a changing climate
Radtke	Anna	Mountain Environment	XXVI	Ecosystem services and management of traditional forestry and agroforestry systems in the Southern Alps
Borruso	Luigimaria	Mountain Environment	XXVI	Rhizobacterial communities as biondicators of environmental stresses in freshwater ecosystems
Patuzzi	Francesco	Mountain Environment	XXVI	Modeling and experimental characterization of biomass thermal treatment: torrefaction and pyrolysis applied to wetland and grass biomasses
Dell'Agnese	Andrea	Mountain Environment	XXVI	Bedload dynamics in high-altitude basins of contrasting hydrological regimes
Bossi Fedrigotti	Valerie Maria Caterina	Mountain Environment	XXVI	Evaluating multifunctionality of traditional land-use system in the Southern Alps
Valentinuzzi	Fabio	Mountain Environment	XXVII	Rizosphere processes in plant nutrients (FE and P) acquisition under limited availability
Engel	Michael	Mountain Environment	XXVII	Hydrological dynamics of glacierized catchments: combining tracer analysis and distributed hydrological modelling
Lemma	Solomon Mengistu	Mountain Environment	XXVII	Nonwoven nanofibrous membranes for food processing
Andreopoulos	Dimitrios	Mountain Environment	XXVII	Non market valuation of river ecosystem services affected by climate change in South Europe: choice experiments and benefit transfer explorations'.
Gallo	Raimondo	Mountain Environment	XXVII	Managing and monitoring agro-forest mechanisation chains in alpine spaces: solution and operational issues for extreme environments
Fernandez Ferrari	Maria Celeste	Mountain Environment	XXVII	Host-parasite interaction between <i>Apis</i> sp. and <i>Varroa destructor</i>
Boschiero	Martina	Mountain Environment	XXVII	Environmental sustainability assessment of agricultural woody residues for energy production in the Southern Alps (N Italy)
Esposito	Alfonso	Mountain Environment	XXVII	Bacterial community diversity and structure in a recently deglaciated moraine
Gebhardt	Marinus	Mountain Environment	XXVII	The impact of land use on plant diversity of mountain grassland in the minor Caucasus and its implications for sustainable range management
Floreancig	Valentino	Mountain Environment	XXVII	Analysis of rockfall protection function temporal patterns in an uneven-aged forest by using LiDAR-derived data as input for RockyFor3D and Samsara2 models
Tomè	Elisabetta	Mountain Environment	XXVII	The contribution of arbuscular mycorrhizal fungi to belowground carbon dynamics in fruit crop ecosystems
Bartho	Joseph Dale	Mountain Environment & Agriculture	XXVIII	Structural investigation of pathogenicity associated proteins from <i>Erwinia amylovora</i>
Reyes	Francesco	Mountain Environment & Agriculture	XXVIII	Carbon allocation of the apple tree: from field experiments to computer modeling
Yadate	Dagne Mojo	Mountain Environment & Agriculture	XXVIII	The impact of collective action groups on sustainable livelihood development: the case of coffee farmer cooperatives in Ethiopia
George	Elizabeth	Mountain Environment & Agriculture	XXVIII	Effects of biochar on mycorrhiza and the uptake of nitrogen and phosphorus in poplar trees
Kaba	James Seutra	Mountain Environment & Agriculture	XXIX	Nitrogen nutrition of cocoa (<i>Theobroma cacao</i> L.) in intrecropping systems with gliricidia (<i>Gliricidia sepium</i> (Jacq.) Kunth ex Walp.)
Mason	Marco	Mountain Environment & Agriculture	XXIX	Development of nanofibrous membranes for enzymatic food processing
Marchese	Enrico	Mountain Environment & Agriculture	XXIX	Morphological changes of rivers of South Tyrol after the little ice age
Salvagnin	Umberto	Mountain Environment & Agriculture	XXIX	Control of the grapevine moth <i>Lobesia Botrana</i> through genetic modification of kairomones biosynthesis in the host plant
Thoma	Michael	Mountain Environment & Agriculture	XXIX	A stable isotope study of water use efficiency and water sources of agriculturally used grasslands in the Eastern Alps
Franceschi	Silvia	Mountain Environment & Agriculture	XXIX	Estimating forest structure and biomass through airborne laser scanning for silvicultural and natural hazards purposes

Giacomuzzi	Valentino	Mountain Environment & Agriculture	XXIX	Chemo-ecological responses of apple plants to insect herbivory
Hasan	S. M. Kamrul	Mountain Environment & Agriculture	XXIX	Reaction calorimetry as a tool for studying the quality of fresh-cut fruits and the efficacy of various preservation treatments
Armani	Mariachiara	Mountain Environment & Agriculture	XXX	Development of solid state biocatalytic nanofibrous membrane for food fermentation
Asaduzzaman	Md.	Mountain Environment & Agriculture	XXX	Rapid method based on proton transfer reaction mass spectrometry (PTR-MS) for milk quality control and authenticity
Bani	Alessia	Mountain Environment & Agriculture	XXX	Dynamics of Microbial Communities in forest tree leaves: a case study in South Tyrol
Tonin	Rita	Mountain Environment & Agriculture	XXX	Intraspecific functional variability of plant species in snowbeds and ice holes under changing climatic conditions
Pioli	Silvia	Mountain Environment & Agriculture	XXX	Habitat preferences of wood-inhabiting fungal communities across different biomes: a conservation perspective
Alessi	Nicola	Mountain Environment & Agriculture	XXX	Distribution and ecology of laurophyllous species in Italy and its implications for management and nature conservation: laurel (<i>L. nobilis</i> L.) as a case study
Wuthijaree	Kunlayaphat	Mountain Environment & Agriculture	XXX	Gastrointestinal helminth infections of free-range chicken under different environmental conditions
Tempesta	Marco	Mountain Environment & Agriculture	XXX	Optimization of nitrogen nutrition of vegetable crops by means of intercropping and residues management in crop successions
Brunello	Camilla Francesca	Mountain Environment & Agriculture	XXXI	SEASONAL HYDROCLIMATE ACROSS THE HIMALAYAS - INSIGHTS FROM METEOROLOGICAL AND DENDRO-ISOTOPIC RECORDS
Wenter	Andreas	Mountain Environment & Agriculture	XXXI	PLANT WATER STRESS DETECTION AND THE EFFECT ON GRAPEVINES HYDRAULIC FUNCTIONING
Casagrande Bacchiocchi	Sara	Mountain Environment & Agriculture	XXXI	THE IMPACT OF SKI PISTE MANAGEMENT ON MOUNTAIN GRASSLAND ECOSYSTEMS IN THE SOUTHERN ALPS
Krämer	Nadine Daniela	Mountain Environment & Agriculture	XXXI	FROM SLOW-FORMING TERRACES TO HUMANURE -TOWARDS AN INTEGRATED APPROACH TO SOIL CONSERVATION IN THE ECUADORIAN ANDES
Polsinelli	Ivan	Mountain Environment & Agriculture	XXXI	IRON UPTAKE AND LEVAN BIOSYNTHESIS IN <i>ERWINIA</i> SPP
Soppelsa	Sebastian	Mountain Environment & Agriculture	XXXI	THE USE OF NATURAL SUBSTANCES TO IMPROVE FRUIT CROP PERFORMANCES, QUALITY AND TOLERANCE TOWARDS STRESS CONDITIONS
Marastoni	Laura	Mountain Environment & Agriculture	XXXI	RHIZOSPHERE MECHANISMS ALLEVIATING COPPER TOXICITY IN VINEYARD SOILS
Aguzzoni	Agnese	Mountain Environment & Agriculture	XXXI	87SR/86SR RATIO OF APPLES AND ITS USE AS GEOGRAPHICAL TRACER
Dinella	Anna	Mountain Environment & Agriculture	XXXII	A multiproxy approach to investigate climate drivers in the South Eastern Alps: records from tree rings and peat bogs
Löbmann	Michael Tobias	Mountain Environment & Agriculture	XXXII	The surface-mat effect and its measurement for estimating shallow erosion resistance of herbaceous vegetated Alpine slopes
Flach	Laura Franziska	Mountain Environment & Agriculture	XXXII	Comparison of different dairy production systems in South Tyrol regarding sustainability aspects.
Rossi	Mattia	Mountain Environment & Agriculture	XXXII	Monitoring the vegetation dynamics and stress of mountainous grasslands using a multisensor approach
Bodner	Martina	Mountain Environment & Agriculture	XXXII	Rapid analytical methods in quality control and authenticity analysis on different foods
Maver	Mauro	Mountain Environment & Agriculture	XXXII	Soil-plant-microorganism interactions involved in plant responses against biotic and abiotic stresses
Stendardi	Laura	Mountain Environment & Agriculture	XXXII	Detection of vegetation phenology in cold regions using a combination of radar and optical satellite data
Torresani	Michele	Mountain Environment & Agriculture	XXXII	Detecting forest structural and species diversity by multisource remote sensing data
Buter	Anuschka Liselotte	Mountain Environment & Agriculture	XXXII	Geomorphic connectivity and dynamics in an Alpine glacierised basin under different scenarios
Arango Lopez	Felipe	Mountain Environment & Agriculture	XXXII	Alternative nutrient solutions in simplified hydroponics
Preti	Michele	Mountain Environment & Agriculture	XXXIII	Novel Strategies in Tortricid Pests (Lepidoptera: Tortricidae) Monitoring and Management using Kairomones and New Technologies
Midolo	Gabriele	Mountain Environment & Agriculture	XXXIII	Meta-Analyses upon the Intraspecific Plant Trait Variability within the Environmental and Geographic Space
Castellan	Irene	Mountain Environment & Agriculture	XXXIII	CHEMICAL ECOLOGY OF SUSTAINABLE PEST CONTROL IN TWO CASE STUDIES
Bortolazzi	Anna	Mountain Environment & Agriculture	XXXIII	NITROGEN DEPOSITION EFFECTS ON BIOGEOCHEMICAL CYCLES IN A BOREAL AND A TEMPERATE FOREST
Ahmad	Farooq	Mountain Environment & Agriculture	XXXIII	Molecular genetic variability of the chestnut blight fungus (<i>Cryphonectria parasitica</i>) and its associated mycoviruses in South Tyrol
Amaral Carneiro	Greice	Mountain Environment & Agriculture	XXXIII	Molecular Genetic Investigation of the Major Pathogens Responsible for the Latent Post-Harvest Infections of Apple in South Tyrol
Badra	Zaid George Abdallah	Mountain Environment & Agriculture	XXXIII	Study of Multitrophic Interactions in Apple Orchards with a View to Enhance Sustainable Management of Pests
Oliveira Linder	Mikael	Mountain Environment & Agriculture	XXXIII	Do Mountains Matter? Italian Consumer Preferences Regarding Mountain Food Products and the Mountain Labelling Scheme
Kofler	Christian	Mountain Environment & Agriculture	XXXIII	STATUS, DYNAMICS AND STABILITY OF ROCK GLACIERS IN SOUTH TYROL (EASTERN ITALIAN ALPS)

Marchetti	Giulia	Mountain Environment & Agriculture	XXXIV	RIVERBED SEDIMENT SIZE AND MORPHO-LOGICAL CHANGES FROM DRONE AND SATELLITE DATA
Da Ros	Luca	Mountain Environment & Agriculture	XXXIV	MULTISITE INVESTIGATION ON THE FATE OF SIMULATED 15N DEPOSITION IN TEM-PERATE MOUNTAIN FORESTS: THE ROLE OF CANOPY
Shahzad	Muhammad Abid	Mountain Environment & Agriculture	XXXIV	THE STATE AND CAUSES OF PART-TIME FARMING: A MULTI-COUNTRY INVESTIGATION WITH FOCUS ON MOUNTAIN AREAS
Genova	Giulio	Mountain Environment & Agriculture	XXXIV	Combining field data and digital mapping to assess land-use impact on soil quality
Fracasso	Ilaria	Mountain Environment & Agriculture	XXXIV	USE OF PEATLANDS AS NATURAL ARCHIVES FOR PALAEOECOLOGICAL AND PALAEOCLIMATIC
Ben Abdelkader	Ahmed	Mountain Environment & Agriculture	XXXIV	SAP FLOW RATE AND TRANSPIRATION OF APPLE TREES AS AFFECTED BY CLIMATIC CONDITIONS AND SOIL WATER AVAILABILITY
Rota	Francesco	Mountain Environment & Agriculture	XXXIV	FUTURE AND PAST OF THE ENDEMIC ALPINE PLANTS OF THE DOLOMITES: RESPONSE TO FUTURE CLIMATE CHANGE AND PHYLOGEOGRAPHY
Giberti	Giulia Silvia	Mountain Environment & Agriculture	XXXIV	FUNCTIONAL RESPONSE OF PINUS SYLVESTRIS L. GROWING IN PURE AND MIXED FORESTS AND CONTRASTING CLIMATIC CONDITIONS
Fennine	Chaymae	Mountain Environment & Agriculture	XXXV	MAPPING OF TEPHRITIDS OLFACTOMES: AN APPROACH TO DECIPHER THEIR CHEMICAL ECOLOGY
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Kindermann	Elisabeth Regina	Mountain Environment & Agriculture	XXXV	Braun-Blanquet resurveyed: land use and climate effects on alpine dry grassland vegetation from past to future
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Bouaicha	Oussama	Mountain Environment & Agriculture	XXXV	SOIL-PLANT-MICROORGANISMS INTERACTION DRIVEN BY MICROPLASTIC DYNAMICS IN SOIL
Haile	Shebeshe Assefa	Mountain Environment & Agriculture	XXXV	HOW DOES FOREST STRUCTURE AFFECT INTRINSIC WATER-USE EFFICIENCY AND GROWTH POTENTIAL OF SCOTS PINE (PINUS SYLVESTRIS L.) TREE, ALONG A CLIMATE ZONE GRADIENT?
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Bouaicha	Oussama	PhD MEA - Agriculture and Products of M	XXXV	SOIL-PLANT-MICROORGANISMS INTERACTION DRIVEN BY MICROPLASTIC DYNAMICS IN SOIL
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Invernizzi	Luca Mauro	PhD MEA - Agriculture and Products of M	XXXV	IN-SILICO AND BIOCHEMICAL CHARACTERIZATION OF PROTEINS INVOLVED IN ASPERGILLUS FUMIGATUS IRON UPTAKE SYSTEM
Andergassen	Christian	PhD MEA - Agriculture and Products of M	XXXV	INFLUENCE OF PRE-HARVEST TREE DEFOLIATION ON FRUIT COLOR, AND CARBOHYDRATE AND NITROGEN STORAGE IN APPLE TREES (MALUS X DOMESTICA BORKH.)
Haile	Shebeshe Assefa	PhD MEA - Ecology, Environment and Pro	XXXV	HOW DOES FOREST STRUCTURE AFFECT INTRINSIC WATER-USE EFFICIENCY AND GROWTH POTENTIAL OF SCOTS PINE (PINUS SYLVESTRIS L.) TREE, ALONG A CLIMATE ZONE GRADIENT?
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Mukhtar	Zarka	PhD MEA - Ecology, Environment and Pro	XXXVI	MONITORING MORPHOLOGICAL ADJUSTMENTS IN HIMALAYAN PROGLACIAL RIVERS USING SUPERVISED GEOMORPHIC MAPPING
Visscher	Anna Maria	PhD MEA - Ecology, Environment and Pro	XXXVI	AGROECOSYSTEM RESILIENCE IN THE PERUVIAN ANDES: ADAPTING TO GLOBAL CHANGE THROUGH TRADITIONAL AGRICULTURE AND LAND USE.
Bharti	Sharda	PhD MEA - Sustainable Agricultural Produ	XXXVI	Structural and Functional Characterization of Proteins Involved in Siderophore Mediated Iron Uptake in Erwinia amylovora
Bjeljac	Marko	PhD MEA - Sustainable Agricultural Produ	XXXVI	YEAST-BASED FORMULATIONS AND ENTOMOPATHOGENIC FUNGI FOR NEW ENVIRONMENTALLY FRIENDLY MANAGEMENT OF DROSOPHILA SUZUKII
Grillini	Giulia	PhD MEA - Sustainable Agricultural Produ	XXXVI	AGRICULTURE AND TOURISM - SUSTAINABILITY IMPACTS OF AGRITOURISM FOR FARMS IN THE TYROL-SOUTH TYROL-TRENTINO EUROREGION
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