

A.1 Chemical characterization of the pea variety “pisello nano di Zollino”

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A.2 “Cummitoru a pappacocu” variety: morphological and chemical characterization

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A.3 Metabolite biodiversity in pepper fruits: a non-targeted NMR approach to characterize pepper landraces from Puglia Region

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A.4 Anthocyanin-producing carrots from the local biodiversity

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A.5 Phenolic compounds evolution in myrtle fruits under postharvest storage

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A.6 Transcriptional responses within a biostimulant-plant-pathogen system

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A.7 Morpho-physiological and agronomic characterization of "Canario" (*Phaseolus vulgaris* L.) included in the Campania agrobiodiversity

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A.8 Use of Mediterranean aquatic crustaceans to reduce biofouling on aquatic moss-based biofilters

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A.9 Discovering the resistance of the almond tree to *Xylella fastidiosa*

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A.10 Filtration activity of nitrogenous compounds by different species of aquatic mosses

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A.11 Violet-scented irones in *Iris pallida* rhizomes from different geographical origin

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A.12 Genetic variability and genome wide association mapping of grain size in a *Triticum turgidum* collection

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A.13 Antioxidant Potential of *Diplotaxis tenuifolia* (L.) DC.: A Case Study from Salento

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A.14 Biometric characters and germination of seeds of wild olive genotypes

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A.15 Altitudinal shifting of the major forest tree species in Italian mountains under climate change

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A. 16 Morphometric, Chemical and Genetic Description of *Ficus carica* L. accessions

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A.17 Produzione e caratterizzazione di seme di due varietà locali di carota: *Bastinaca di San Vito* e *Pestanaca di Sant'Ippazio*

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A.18 Structural and chemical defence in *Xylella fastidiosa* asymptomatic olive cultivars

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B.1 Halophytic Plant Growth Promoting Bacteria: a new tool for a sustainable valorization of marginal areas

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B.2 Could biofertilizers persist and modulate soil microbiota? A preliminary study on wheat

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B.3 The ENEA microbial culture collection in the PNRR SUS-MIRRI.IT

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B.4 Microbes as biostimulants in Mediterranean plants: the effect of *Azospirillum baldaniorum* Sp245 in cuttings of olive (*Olea europaea* L., cultivar Leccino)

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B.5 Evaluation of multi-starter cultures to improve sparkling wine production

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C.1 Genetic diversity of the endemic species *Q. trojana* Webb. in Southern Italy: case study of the National Biodiversity Future Center

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C.2 Ecological importance of *Parainocellia bicolor* (Costa, 1855) predator in vineyard agroecosystem

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C.3 Assessment of Soil Biodiversity from different land use: preliminary research through QBS-ar approach in Sardinia Island

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C.4 Ornithological diversity of the ecological network and the sheep tracks connecting Cervaro and Candelaro rivers (FG)

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C.5 *Xylella fastidiosa*, a (legal) threat to Salento's plant biodiversity

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C.6 Permaculture as a tool to safeguard biodiversity and farm workers' health

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C.7 Whole genome scan reveals genetic diversity of Tunisian durum wheat germplasm

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C.8 Climate change and Agricultural Biodiversity in the Marche Region: studies and strategies

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C.9 Phytoalimurgical ecotypes detected in the 'Laguna del Re' wetland (FG): mapping, collection, nursery and cultivation

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C.10 Genomic and genetic diversity of the endemic Italian alder (*Alnus cordata* Loisel.) across its native range

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C.11 Conservation of Crop Wild Relatives in Lebanon: Safeguarding Genetic Resources for Food Security in a Scenario of Climate Change

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C.12 Inclusion in EURISCO of records of in situ wild relatives of cultivated plants from the regions of Apulia and Basilicata (southern Italy)

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C.13 Biodiversity of Plant Parasitic Nematodes associated with grapevine in Lombardy (Northern Italy)

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C.14 Biodiversity assessment of the habitat *Mediterranean Temporary Ponds 3170. The case-study of the region Apulia (South East Italy)**

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C.15 (Bio)diversity as a resource for sustainable social environments

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C.16 Sensitivity of *Mytilus galloprovincialis* hemocytes motility to environmental chemical contamination: implication for the development of a novel bioassay for environmental quality assessment

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C.17 Opportunity for the spontaneous plants of the National Park of Cilento, Vallo di Diano, Alburni

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C.18 In Apulia (Italy) a regional conservation center as tool for territorial development, preservation of local germplasm, development of new food product and varietal innovation of the Mediterranean woody crops.

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D.1 Micropropagation of *Viola ucriana* Erben & Raimondo a critically endangered taxon for the Mediterranean region

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D.2 A multidisciplinary approach for studying the invasion mechanisms of the alien tree species *Ailanthus altissima* (Mill.) Swingle

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D.3 Characterization of the olive endophytic community in genotypes displaying a contrasting response to *Xylella fastidiosa*

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D.4 New evidence for population-specific responses to drought events from tree ring chronologies of *Pinus nigra* ssp. *laricio* across the entire distribution range

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D.5 A Regional Strategy for the Conservation of the Endangered Native Crayfish *Austropotamobius pallipes* in Lombardy, Italy

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**D.6 Alien ambrosia beetles (Coleoptera: Curculionidae, Scolytinae and Platypodinae)
in Italian Natural Protected Areas: a National Biodiversity Future Centre (NBFC)
research study**

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E.1 Volatile oil composition of aerial parts and fruits of a local ecotype of parsley from the province of Trento, Italy

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E.2 From Campania, a rediscovered identity: the "new" historic vines

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E.3 Combining cultural ecosystem services and biodiversity conservation in planning and management of the "Laguna del Re" Wetland (FG-Italy)

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E.4 Exploring biodiversity through EcoLogicaCup: a national online competition for schools

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E.5 Characterization of elephant garlic (*Allium ampeloprasum* L.) ecotypes for use as potential gourmet product: morphology, production and antioxidant activity

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E.6 Traditional Apulian fermented products and Apulian typical raw materials of interest for the design of new fermented foods and beverages

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E.7 The health properties of the historical grapes of the " Beneventan rays training system"

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E.8 Germination responses of *Cakile maritima* population from Puglia region

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**F.1 Directing funds towards the biodiversity objectives: the approach of Life IP Gestire
2020 in Lombardy**

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G.1 Study of the effects of polyethylene terephthalate (PET) nanoplastics on the motile behavior of the marine organism *Artemia franciscana*

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G.2 First observations of the pearlfish *Carapus acus* (Brünnich, 1768) symbiotic with sea cucumbers in the Southern Adriatic Sea (Salento peninsula, Southern Italy)

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G.3 Abundance of European turtle dove (*Streptopelia turtur*) in Apulia

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G.4 Biodiversity patterns in marine annelids associated to intertidal coralline algae along the Salento Peninsula

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