

SYSTEMATIC BOTANY AND BIOGEOGRAPHY

Taxonomy, Biogeography and Plant Biodiversity Conservation



Research activities include:

- a) Biogeography: Phytogeography and population genetics of numerous endemic and sub-endemic species of the Western Alps.
- b) Taxonomy: Phylogenetic of taxonomic groups of particular interest and on species endemic to the Western Alps.
- c) Reproductive biology and ecology: Definition of pollination and dispersion systems of some species in order to understand their capacity to disperse and enlarge populations.
- d) Ecological niche analysis: Definition of the habitat suitability of species starting from their distribution points.
- e) Biodiversity conservation: Study and conservation of plant diversity in Southern Europe with biotechnological and genetic applications. Demographic studies on threatened species. Experiences of in vitro multiplication of rare plants or plants with reproductive difficulties to implement an ex situ production plan and in situ reintroduction of new individuals. Collaboration with the Regional Germplasm Bank of Liguria. Monitoring and control of invasive exotic and protected species. Floristic surveys aimed at monitoring and conserving biodiversity in protected areas in Liguria and Piedmont. Elaboration of action plans for endemic threatened species.

Keywords: Taxonomy, Biogeography, Plant Biodiversity Conservation

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