

MINUTO Luigi

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Current professional activity:

- **Ricercatore** in the field of Plant Phylogeography, with regard to issues pertaining to biosystematics and conservation biology, and particular reference to endemic flora and hot spots of plant diversity.
- **Lecturer** at the University of Genoa for the teachings of Systematic Botany, Marine Botany, Botany and Laboratory, Plant Biodiversity and Phytodognosy.
- **Deputy Director** of the Hanbury Botanical Gardens - CENVIS, University of Genoa, in Ventimiglia (2019-present).
- **Quality Manager** for DISTAV (Department of Earth, Environmental and Life Sciences), University of Genoa (05.2021-present)
- **Member** of the Commission for the certification of botanical collections of the Italian Botanical Society (2018-present).
- **Member** of the Regional Park Community of the Ligurian Alps representing the University of Genoa (2016-present).
- **Member** of the Scientific Committee of the CBNMed (Conservatoire Botanique National Méditerranéen) de Porquerolles, France (2012-present).

1. TRAINING AND PROFESSIONAL EXPERIENCE

- **1988: Degree in Natural Sciences** from the University of Genoa, with a mark of 106/110, with a phytogeography thesis entitled: "Dynamism of vegetation in areas subject to fire in the Varazze area".
- **1988-2000: Technical Officer** at the University of Genoa, as Curator of the Botanical Garden of the University.
- **1998: International Diploma in Botanic Gardens Management** at the Royal Botanic Gardens, Kew (England).
- **2000-2015: Confirmed full-time researcher** at the Faculty of M.F.N. Sciences of the University of Genoa, first at DIP.TE.RIS. (Department for the Study of the Territory and its Resources) now DISTAV.
- **2008/2015: Member** of the Council of Hanbury Botanical Gardens of the University of Genoa, in Ventimiglia.
- **2009/2018: Scientific Advisor and member** of the Scientific Committee of the Regional Natural Park of the Maritime Alps.
- **2012/2015: Member** of the Department Council of DISTAV, University of Genoa.
- **2012/2015: Member** of the Council of the School of MFN Sciences, University of Genoa.
- **2015-2022: Associate Professor** at DISTAV (Department of Earth, Environmental and Life Sciences) of the University of Genoa since 09.02.2015.
- **2015-2018: President** of Hanbury Botanical Gardens of the University of Genoa, in Ventimiglia.
- **2019-present: Vice Director** of the Hanbury Botanical Gardens - CENVIS, University of Genoa, in Ventimiglia.
- **2021-present: RAQ** of DISTAV Department
- **2022-present: Member** of the Departmental Council of DISTAV, University of Genoa.

2 COLLABORATIONS IN NATIONAL AND INTERNATIONAL RESEARCH PROJECTS

The research projects in which he is involved at present as coordinator, scientific responsible and/or participant are:

2022 – **Contract:** “Reinserimento e rafforzamento della vegetazione psammofila nell’ambito dei lavori di messa in sicurezza e difesa del litorale Lavagna Cavi” – Committente: Comune di Lavagna – Responsabile scientifico.

- 2022 - **Contract:** "Reinsertion and reinforcement of psammophilous vegetation as part of the works to secure and defend the Lavagna Cavi coastline" - Client: Municipality of Lavagna - Scientific Responsible.
- 2022 - **Contract:** "Drafting of the Management Plan for the Bergeggi Regional Nature Reserve and of a compendium of management actions and monitoring plans for the coastal area included both within the Regional Nature Reserve and the "Isola di Bergeggi - Punta Predani" SAC". - Client: Municipality of Bergeggi - Scientific Responsible.
- 2020/23 - **ALCOTRA European Project 5645** "Monver - Mondo verde - Monde vert" - CENVIS Giardini Botanici Hanbury (GBH) of the University of Genoa - Lead Partner.
- 2020/23 - **PRIN 2017 Project** (2017JW4HZK) " PLAN.T.S. 2.0 - towards a renaissance of PLANt Taxonomy and Systematics" Genoa Operational Unit - Lead Partner: MIUR and University of Genoa - Unit Leader.
- 2019/22 - **ALCOTRA European Project PS2** "COBIODIV"- participant as expert of the Department for the Study of the Territory, Environment and Life (DISTAV) of the University of Genoa, implementing party of ARPAL.
- 2019/22 - **Interreg-Maritime** "Neptune"-participant as Deputy Director Hanbury Botanical Gardens (GBH) of the University of Genoa and the Regional Protected Area Giardini Botanici Hanbury, implementing entity of Regione Liguria.

3 SCIENTIFIC PUBLICATIONS

His scientific activity concerns taxonomy, biogeography and reproductive biology studies on endemic and threatened plant species from the Mediterranean and the Alps and includes the following topics

A - Biogeography: Phylogeography and population genetics of many endemic and sub-endemic plant species of the Western Alps. Molecular analyses for the detection of gene flow and possible drift of endemic species with small and few populations for conservation purposes. Evaluation of the presence and distribution range of endemic species in the Western Alps. Theoretical and methodological studies for the identification of centres and areas of endemism.

B - Taxonomy: investigations based on molecular analysis and morphology of some taxonomic groups and some endemic species of the Western Alps.

C - Reproduction biology: pollination and dispersal mechanisms in some plant species in order to understand the suitability and efforts to maintain the species.

D - Ecological niche analysis: definition and dissemination of the habitat suitability of certain species using their distribution points and running new statistical software and bioclimatic databases.

E - Biodiversity conservation: study and conservation of plant diversity in southern Europe by applying biotechnological and laboratory techniques. Demographic studies on threatened species. Experience of in vitro propagation of rare plants and in situ reintroduction of new individuals. Creation of the Ligurian Seed Bank for the conservation of rare plants. Drafting of action plans and conservation programmes for threatened species.

The scientific production is composed of: 54 articles in journals with IF; 54 articles in refereed journals without IF; 30 abstracts in journals; 20 contributions in volumes; 4 monographs or scientific treatises; 21 contributions in conference proceedings; 82 abstracts in conference proceedings; 2 editorships and 1 exhibition.

Some bibliometric data (at 15 December 2022).

	Scopus	Web of Science	Google Scholar
Surveyed articles	88	59	105
Total citations	974	787	1368
H index	17	14	18