

Elena Barni

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Date & place of birth: 10.08.1968, Torino, Italy
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Scientific career

2021 National Scientific Habilitation to Associate Professor
2003-now Research fellow (Ricercatore confermato) in Environmental and applied Botany (University of Torino)
2001-2002 Fellow/Lecturer in General botany and systematics
1999-2000 Postdoc at University of Torino
1996-1998 Fellow/Lecturer in General botany and systematics
1993-1995 PhD in Geobotany/Environmental and applied Botany (University of Pavia)
1987-1992 Studies in Natural Sciences (University of Torino); Diploma in Natural Sciences

Research experience

2018-now Species reporting and monitoring under Article 17 of the Habitats Directive (regional team member)
2016-now Updating of the National Invasive Alien Species Database following the EU Regulation 1143/2014 on Invasive Alien Species (ISPRA, SBI, regional PI)
2015-now Monitoring of alpine plants and vegetation within the GLORIA network (Gloria Office Vienna, fieldwork PI for the Target Region Mont Avic, Aosta)
2013-2019 Dry grassland conservation and restoration through grazing management (LIFE12 NAT/IT/000818, team member)
2013-2014 Changes of alpine summit flora over the last century (SLF Davos, regional PI)
2009-2011 Field surveys of invasive alien plants (Regione Valle d'Aosta, Co-PI)
2008-2010 Impacts of ski-run preparation on alpine environments (MIUR, team member)
2006-2009 Alien Flora of Italy (MATTM, regional PI)
2003-2006 Field surveys of invasive alien plants (Regione Piemonte, Co-PI)
2001-2003 The effects of artificial snow on ski-runs vegetation (SISKI, team member)
1999-2000 Restoration ecology in high altitude ski-runs
1996-1998 Pan-European Programme for Intensive Monitoring of Forest Ecosystems (CON.ECO.FOR.), (MATTM, regional team member)
1993-1995 Vegetation dynamics and arbuscular mycorrhiza in old-field successions (PhD Thesis)
1990-1992 Allelopathic potential of invasive plant species

Memberships

Italian Botanical Society (SBI)

Teaching experience

Lectures and practicals in botany (general and systematics), plant ecology, phytogeography, conservation of plant biodiversity for Bachelor and MSc students, at University of Torino.

Service

Member of the Editorial Board of the international journal *Plant Biosystems*, within the category Environmental Botany, Geobotany and Plant Ecology.

Reviewing of manuscripts for several journals, including *Environmental Science and Pollution Research*, *Journal of Plant Interactions*, *Plant Biosystems*, *PRESLIA*, *Restoration Ecology*, *Rendiconti Lincei*.

Organizer or co-organizer of several national conferences and scientific workshops.

Bibliometric indicators (Scopus):

Number of ISI publications: 28

Total number of citations: 690

Number of cited papers in 2021: 16

H index: 11

10 most important publications

Hudek, C., **Barni, E.**, Stanchi, S., D'Amico, M., Pintaldi, E., Freppaz, M. (2020). Mid and long-term ecological impacts of ski run construction on alpine ecosystems. *Scientific Reports*, 10 (1), art. n. 11654.

Steinbauer M.J., Grytnes J.-A., Jurasinski G., Kulonen A., Lenoir J., Pauli Harald, Rixen C., Winkler M., Bardy-Durchhalter M., **Barni, E.**, et al. (2018). Accelerated increase in plant species richness on mountain summits is linked to warming. *Nature* 556, 231-234

Mincheva T., **Barni, E.**, Varese G.C., Brusa G., Cerabolini B., Siniscalco C. (2014). Litter quality, decomposition rates and saprotrophic mycoflora in *Fallopia japonica* (Houtt.) Ronse Decraene and in adjacent native grassland vegetation. *Acta Oecologica* 54: 29-35

Negro M., Rolando A., **Barni, E.**, Bocola D., Filippa G., Freppaz M., Isaia M., Siniscalco C., Palestrini C. (2013). Differential responses of ground dwelling arthropods to ski-piste restoration by hydroseeding. *Biodiversity and Conservation* 22: 2607-2634

Barni, E., Minuzzo C., Gatto F., Lonati M., Abeli T., Amosso C., Rossi G., Siniscalco c. (2013). Estimating influence of environmental quality and management of channels on survival of a threatened endemic quillwort. *Aquatic Botany* 107: 39-46

Vacchiano G., **Barni, E.**, Lonati M., Masante D., Curtaz A., Tutino S, Siniscalco C. (2013). Monitoring and modeling the invasion of the fast spreading alien *Senecio inaequidens* DC. in an alpine region. *Plant Biosystems* 147: 1139-1147

Barni, E., Bacaro G., Falzoi S., Spanna F., Siniscalco C. (2012). Establishing climatic constraints shaping the distribution of alien plant species along the elevation gradient in the Alps. *Plant Ecology* 213: 757-767

Celesti-Grapow L., Alessandrini A., Arrigoni P.V., Assini S., Banfi E., **Barni, E.**, Bovio M., Brundu G., Cagiotti M.R., Camarda I., Carli E., Conti F., Del Guacchio E., Domina G., Fascetti S., Galasso G., Gubellini L., Lucchese F., Medagli P., Passalacqua N.G., Peccenini S., Poldini L., Pretto F., Prosser F., Vidali M., Viegi L., Villani M.C., Wilhelm T., Blasi C. (2010). Non-native flora of Italy: Species distribution and threats. *Plant Biosystems*: 144: 12-28

Barni, E., Freppaz M., Siniscalco C. (2007). Interactions between vegetation, roots and soil stability in restored high-altitude ski runs in the Alps. *Arctic Antarctic and Alpine Research* 39: 25-33

Barni, E., Siniscalco C. (2000). Vegetation dynamics and arbuscular mycorrhiza in old-field successions of the western Italian Alps. *Mycorrhiza* 10: 63-72