

Gabriele Casazza

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Date of birth: 12 June 1973

Nationality: Italian

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Education

2005: PhD in Plant Biology and Crop Productivity, University of Milan, Italy

1999: graduated in Biological Sciences, University of Genoa, Italy

Current position

2020-today: Researcher in Botany, Department of Earth Environmental and Life Sciences (DISTAV), University of Genoa, Italy

Fellowships and awards

2014: National License as Associate Professor in Systematic Botany, Education Ministry, Italy

2019: National License as Associate Professor in Systematic Botany, Education Ministry, Italy

2018–2020: fellowship at University of Aix-Marseille with a Marie Skłodowska-Curie Individual Fellowships (proposal number 793226)

2012-2018: research fellow at University of Genoa

2007-2011: research fellow at University of Genoa

Teaching activities

2021-today: Plants detection, cartography and monitoring, M.Sc. courses in Natural Sciences, University of Genoa, Italy

2020-today: Botany, B.Sc. courses in Natural Sciences, University of Genoa, Italy

2020-today: Course of Methods and Principles of Biogeography in the PhD in Sciences and Technologies for the Environment and the Territory, University of Genoa, Italy.

Institutional responsibilities

2020-today: Member of the Scientific Committee of the Parc National du Mercantour

2020-today: Member of the Scientific Committee of the Conservatoire Botanique National Méditerranéen

Commissions of trust

2016–today: Associate editor of “Biogeographia – The Journal of Integrative Biogeography”

2018–today: Academic Editor for the ISI journal "PeerJ"

2021–today: Evaluator for the MSCA postdoctoral fellowship

2015: Evaluator for the Polish National Science Centre (Narodowego Centrum Nauki), Funding scheme OPUS

2011–today: Reviewer for several journals indexed in ISI Web of Science, among them: Acta Botanica Gallica, Acta Oecologica, Annals of Botany, Biochemical Systematics and Ecology, Biodiversity, Biological Conservation, Biodiversity and Conservation, Botanical Journal of Linnean Society, Diversity and Distributions, Ecological Indicators, Folia Geobotanica, Journal of Biogeography, Journal of Environmental Management, Nature Communications, Nordic Journal of Botany, Oryx, PeerJ, Plant Biology, Plant Biosystems, Plant Systematics and Evolution, PlosONE, Systematics and Biodiversity, Sustainability, Turkish Journal Botany

Relevant roles in scientific academies/societies

2009–today: Member of the Italian Botanical Society (SBI), Italy

Major international collaborations

Frédéric Médail, Institut Méditerranéen de Biodiversité et d'Ecologie marine et continentale (UMR 7263 IMBE), University Aix-Marseille, Aix-en-Provence, France.

Elena Conti, Institut für Systematische und Evolutionäre Botanik, University of Zurich, Switzerland.

John D. Thompson, UMR 5175 Centre d'Ecologie Fonctionnelle & Evolutive, Montpellier, France.

Katia Diadema and Virgile Noble, Conservatoire botanique national méditerranéen de Porquerolles, Hyeres, France.

Florian C. Boucher, Université Grenoble Alpes, Grenoble, France.

Andrew S. Mathews, UC Santa Cruz, Santa Cruz, California, USA.

Articles

- TIBURTINI M, ASTUTI G, BARTOLUCCI F, CASAZZA G, VARALDO L, DE LUCA D, BOTTIGLIERO MV, BACCHETTA G, PORCEDDU M, DOMINA G, ORSENIGO S, PERUZZI L. 2022. Integrative taxonomy of *Armeria arenaria* (Plumbaginaceae), with a special focus on the putative subspecies endemic to the Apennines. *Biology* 11, 1060. <https://doi.org/10.3390/biology11071060>
- FONTAINE N, GAUTHIER P, CASAZZA G, THOMPSON JD. 2022. Niche Variation in endemic *Lilium pomponium* on a wide altitudinal gradient in the Maritime Alps. *Plants* 11(6): 833. <https://doi.org/10.3390/plants11060833>
- GIACÒ A, DE GIORGI P, ASTUTI G, VARALDO L, SÁEZ L, CARBAJAL R, SERRANO M, CASAZZA G, CAPUTO P, BACCHETTA, PERUZZI L. 2022. Diploids and polyploids in the *Santolina chamaecyparissus* complex (Asteraceae) show different karyotype asymmetry. *Plant Biosystems*: <https://doi.org/10.1080/11263504.2022.2029971>
- MONTAGNANI C, CASAZZA G, GENTILI R, CARONNI S, CITTERIO S: 2022. Kudzu in Europe: niche conservatism for a highly invasive plant. *Biological Invasions* 24: 1017–1032 <https://doi.org/10.1007/s10530-021-02706-1>
- ROTA F, CASAZZA G, GENOVA G, MIDOLO G, PROSSER F, BERTOLLI A, WILHALM T, NASCIMBENE J, WELLSTEIN C. 2022. Topography of the Dolomites modulates range dynamics of narrow endemic plants under climate change. *Scientific Reports* 12:1398. <https://doi.org/10.1038/s41598-022-05440-3>
- GUERRINA M, THEODORIDIS S, MINUTO L, CONTI E, CASAZZA G. 2022. First evidence of post-glacial contraction of Alpine endemics: Insights from *Berardia subacaulis* in the European Alps. *Journal of Biogeography*, 00, 1– 15. <https://doi.org/10.1111/jbi.14282>
- GUERRINA M., CASAZZA G., DAGNINO D., CARMELO M., ENRICA R., MINUTO L. 2022. Reproductive ecology of *Saxifraga florulenta*, a monocarpic perennial paleo-endemic of the Alps. *Plant Biosystems* 156: 252-260. DOI: 10.1080/11263504.2020.1852328
- CASAZZA G, MACRÌ C, DAGNINO D, GUERRINA M, JUIN M, MINUTO L, THOMPSON JD, BAUMEL A, MÉDAIL F. 2021. When ecological marginality is not geographically peripheral: exploring genetic predictions of the centre-periphery hypothesis in the endemic plant *Lilium pomponium*. *PeerJ* 9:e11039 <https://doi.org/10.7717/peerj.11039>
- MINUTO L, CASAZZA G, DAGNINO D, GUERRINA M, MACRÌ C, MARIOTTI M.G. 2021. Management of an invasive plant in a mediterranean protected area: the experience of *Senecio deltoideus* in Italy. *Annali di Botanica* doi: 10.13133/2239-3129/16852
- CASAZZA G, ABELI T, BACCHETTA G, DAGNINO D, FENU G, GARGANO D, MINUTO L, MONTAGNANI C, ORSENIGO S, PERUZZI L, VARALDO L, ROSSI G. 2021. Combining conservation status and species distribution models for planning assisted colonisation under climate change. *Journal of Ecology* 109: 2284-2295. DOI: 10.1111/1365-2745.13606
- CASAZZA G., MALFATTI F., BRUNETTI M., SIMONETTI V., MATHEWS A.S. 2021. Interactions between land use, pathogens, and climate change in the Monte Pisano, Italy 1850–2000. *Landscape Ecology* 36: 601–616. <https://doi.org/10.1007/s10980-020-01152-z>

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DAGNINO D., GUERRINA M., MINUTO L., MARIOTTI M.G., MÉDAIL F., CASAZZA G. 2020. Climate change and the future of endemic flora in the South Western Alps: relationships between niche properties and extinction risk. *REGIONAL ENVIRONMENTAL CHANGE* 20:121. <https://doi.org/10.1007/s10113-020-01708-4>

NASCIMBENE J., BENESPERI R., CASAZZA G., CHIARUCCI A., GIORDANI P. 2020. Range shifts of native and invasive trees exacerbate the impact of climate change on epiphyte distribution: The case of lung lichen and black locust in Italy. *Science of the Total Environment* 735 139537. <https://doi.org/10.1016/j.scitotenv.2020.139537>

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CASAZZA G., CARTA A., GIORDANI P., GUERRINA M., PERUZZI L., MINUTO L., 2018. Reproductive biology of the threatened *Lilium pomponium* (Liliaceae), a species endemic to Maritime and Ligurian Alps. *JOURNAL OF PLANT RESEARCH* 131, 633–640. <https://doi.org/10.1007/s10265-018-1019-8>

CONTI I., MEDRZYCKI P., IANNONE A., GRILLENZONI F. V., CORVUCCI F., DAGNINO D., CASAZZA G., MONTANARI C., MARIOTTI M. G., 2018. Preliminary survey of the nutritional and palynological traits of honey bee-foraged pollen from Liguria (Italy). *JOURNAL OF APICULTURAL RESEARCH* 57, 572–579. <https://doi.org/10.1080/00218839.2018.1460910>

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<https://doi.org/10.1016/j.biocon.2016.08.003>

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CASAZZA G., GIORDANI P., BENESPERI R., FOGGI B., VICIANI D., FILIGHEDDU R., FARRIS E., BAGELLA S., PISANU S., MARIOTTI M., 2014. Climate change hastens the urgency of conservation for range-restricted plant species in the central-northern

Mediterranean region. *BIOLOGICAL CONSERVATION* 179, 129–138.

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CASAZZA G., MARSILI S., GRANATO L., CONTI E., NOBLE V., SELVAGGI A., MINUTO L., 2013. Distribution range and ecological niche of *Primula marginata* Curtis (Primulaceae). *PLANT BIOSYSTEMS* 147, 593–600. <https://doi.org/10.1080/11263504.2012.760495>

CASAZZA G., GRASSI F., ZECCA G., MARIOTTI M., GUERRINA M., MINUTO L., 2013. Phylogeography of *Primula allionii* (Primulaceae), a narrow endemic of the Maritime Alps. *BOTANICAL JOURNAL OF THE LINNEAN SOCIETY* 173, 637–653.

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CASAZZA G., GRANATO L., MINUTO L., CONTI E., 2012. Polyploid evolution and Pleistocene glacial cycles: a case study from the alpine primrose *Primula marginata* (Primulaceae). *BMC EVOLUTIONARY BIOLOGY* 12, 56–56. <https://doi.org/10.1186/1471-2148-12-56>

NICOLETTI F., DE BENEDETTI L., AIRÒ M., RUFFONI B., MERCURI A., MINUTO L., CASAZZA G., 2012. Spatial genetic structure of *Campanula sabatia* a threatened narrow endemic species of the Mediterranean basin. *FOLIA GEOBOTANICA* 47, 249–262.

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RAIMONDO F. M., SCIALABBA A., ZECCA G., GRASSI F., CASAZZA G., MINUTO L., 2012. Genetic diversity in the endangered Sicilian endemic *Brassica rupestris*: Proposals for a conservation strategy. *PLANT BIOSYSTEMS* 146, 847–856.

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ZECCA G., CASAZZA G., MINUTO L., LABRA M., GRASSI F., 2011. Allopatric divergence and secondary contacts in *Euphorbia spinosa* L.: influence of climatic changes on the split of the species. *ORGANISMS DIVERSITY & EVOLUTION* 11, 357–372.

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BACCHETTA G., FENU G., MATTANA E., ZECCA G., GRASSI F., CASAZZA G., MINUTO L., 2011. Genetic variability of the narrow endemic *Rhamnus persicifolia* Moris (Rhamnaceae) and its implications for conservation. *BIOCHEMICAL SYSTEMATICS AND ECOLOGY* 39, 477–484. <https://doi.org/10.1016/j.bse.2011.06.018>

BEDINI G., CARTA A., ZECCA G., GRASSI F., CASAZZA G., MINUTO L., 2011. Genetic structure of *Rhamnus glaucophylla* Sommier endemic to Tuscany. *PLANT*

SYSTEMATICS AND EVOLUTION 294, 273–280. <https://doi.org/10.1007/s00606-011-0469-4>

MINUTO L., ROCCOTIELLO E., CASAZZA G., 2011. New seed morphological features in *Moehringia* L. (Caryophyllaceae) and their taxonomic and ecological significance. PLANT BIOSYSTEMS 145, 60–67. <https://doi.org/10.1080/11263504.2010.527629>

CASAZZA G., MINUTO L., 2009. A critical evaluation of different methods for the determination of areas of endemism and biotic elements: an Alpine study. JOURNAL OF BIOGEOGRAPHY 36, 2056–2065. <https://doi.org/10.1111/j.1365-2699.2009.02156.x>

GRASSI F., LABRA M., CASAZZA G., MINUTO L., SALA F., 2009. Haplotype richness in refugial area of Maritime Alps: phylogeographical structure of *Saxifraga callosa*. JOURNAL OF PLANT RESEARCH 122, 377–387. <https://doi.org/10.1007/s10265-009-0230-z>

ROCCOTIELLO E., CASAZZA G., GALLI L., CORNARA L., MONCALVO A., MINUTO L., 2009. The flower biology of *Daphne gnidium* L. (Thymelaeaceae). PLANT SYSTEMATICS AND EVOLUTION 279, 41–49. <https://doi.org/10.1007/S00606-009-0144-1>

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CASAZZA G., BORGHESI B., ROCCOTIELLO E., MINUTO L., 2008. Dispersal mechanisms in some representatives of the genus *Moehringia* L. (Caryophyllaceae). ACTA OECOLOGICA 33, 246–252. <https://doi.org/doi:10.1016/j.actao.2007.11.003>

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MINUTO L., FIOR S., ROCCOTIELLO E., CASAZZA G., 2006. Seed morphology in *Moehringia* L. and its taxonomic significance in comparative studies within the Caryophyllaceae. PLANT SYSTEMATICS AND EVOLUTION 262, 189–208.
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