

RODOLFO FILIPPO GENTILI

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Nationality: Italian

CAREER SUMMARY

Rodolfo GENTILI is researcher in Plant Sciences (SSD BIO/01) at the University of Milano-Bicocca, Department of Earth and Environmental Sciences with a background in plant biology, population genetics and plant ecology. His research is focused on conservation biology and on environmental issues (climate change, land degradation and restoration). In this field he has been involved in the study of both endangered and invasive alien species. He published >90 full papers in international journals. Presented >15 oral lectures and >40 contributions at national/international conferences in Italy, Switzerland, Luxemburg, Serbia, France, Italy.

EDUCATION

- November 2003 – February 2007: Ph.D. in Geobotany

University of Pavia – Dep. of Earth and Environmental Sciences; Thesis: “Alpine composite cones in the Adamello Mountain Group: plant communities, geocology and biodiversity gradients of landform-vegetation units” tutor: Prof Graziano Rossi

- November 2002- May 2003: Master (2nd level) in Environmental impact and accounting (600 hours) – EU-Social Funding
- June 2002: Master Degree in Natural Sciences (110/110) University of Pisa – Department of Biology

WORK EXPERIENCE

- October 2021: – present: Researcher (RTDB) in Plant Biology (SSD BIO/01) University of Milano-Bicocca, Dep. of Earth and Environmental Sciences, Milan, Italy. Main activities and responsibilities: Research activities, teaching and participation in regional, national and international research projects
- January 2019 – September 2021: Researcher (RTDA) in Plant Biology (SSD BIO/01) University of Milano-Bicocca, Dep. of Earth and Environmental Sciences, Milan, Italy. Main

activities and responsibilities: Research activities, teaching and participation in regional, national and international research projects

- October 2007 – December 2018: Research Technician in Plant biology and ecology (SSD BIO/01 and BIO/03) at the University of Milano-Bicocca. Main activities and responsibilities: Field and lab research activities in plant biology and ecology (research groups of Prof Sandra Citterio and Sergio Sgorbati); participation to regional, national, and international research projects
- January 2007 – September: Post-Doctoral Grant at the University of Pavia, Pavia, Italy. Project: Relationships between vegetation and geo-forms in the Tuscan-Emilian Apennines. Tutor: Prof. Graziano Rossi
- 2002-2006 Member (chief) of the “Ecosphere” Associate Firm in Environmental Impact and Accounting

TEACHING ACTIVITIES

- Academic years 2018-2019 and 2019-2020: he is the holder of the course of Coastal and Marine Botany (6 credits)
- Academic year 2018-2019: he is the holder of the lab. of Applied Botany (2 credits) and of Coastal and Marine Botany (2 credits)
- Academic year 2013-2014: he is the holder of the course in Applied and Environmental Botany at the University Politecnico di Milano (4 credits)
- From 2007 to 2018 he is assistant teacher (seminars and single lessons) for the following courses at the UNIMIB: Applied Botany, Environmental Botany, Plant diversity, Plant biology
- Coordinator for the Erasmus mobility for the MS in Marine Sciences
- Supervisor or co-supervisor of BS (20) and MS (15) undergraduate students
- Co-supervisor of 2 Phd Thesis
- Member of the PhD board of Environmental Sciences
- External Reviewer at a PhD examination committee

RESEARCH ACTIVITIES

- He operates in the Scientific sectors BIO/01 and Bio/03 (Plant biology and ecology).
- He has carried out basic and applied research on the following topics:
 - Invasive alien species (population genetics, alien species control and management)

- Red and Blacklisting of endangered and invasive species, respectively
- Effect of environmental stresses such as pollutants and climatic factors on plants
- Response of alpine plants to climate change (biodiv. refugia)
- International collaborations:
 - Martin Diekmann (University of Bremen, Germany), Karel Prach and Klara ehounková (University of South Bohemia, Czech Republic), Prof. Heinz Müller-Schärer and Dr Suzanne Lommen (Université de Fribourg, Switzerland), Prof. Gerhard Karrer (University of Vienna, Austria), Dr Bruno Chavel (INRA, Dijon, France), Dr Urs Schaffner and Dr Benno Augustinus (CABI Switzerland), Anne Bonis (University of Rennes, France), Florencia Yannelli (University of Berlin, Germany), Sofia Mangili and Brigitte Marazzi (Natural Science Museum of Lugano, Switzerland)

FUNDING

- Participation to competitive calls
 - 2020-2023 (Fond.Cariplo) Tataricum: Recovery of ancient Siberian wheat crops in Alta Valtellina: agrobiodiversity, short supply chain and employment opportunities; Role: Head of Unit
 - 2019-2021 (Reg. Lombardia) ConserVa: "Conservation, management and sustainable use of genetic resources of buckwheat and rye in Valtellina"; Role: Unit Member
 - 2019 (Italcementi S.p.A.) Scientific collaboration in the field of environmental rehabilitation of abandoned quarry sites. Role: PI
 - 2019 (UNIMIB) Effect of soil microplastics on the growth of the invasive allochthonous species *Ambrosia artemisiifolia* and *Senecio inaequidens*. Role: PI
 - 2018 (UNIMIB) Analysis of morpho-functional traits of the invasive allochthonous species *Senecio inaequidens* to assess the biotic resistance of native plant communities. Role: Principal Investigator
 - 2017-2018 (Reg. Lombardia): "LIFE2014 Integrated Projects LIFE14 IPE/IT/018 – GESTIRE 2020 "Action A7": Analysis of the criticalities at regional level regarding the theme of allochthonous animal species and definition of species-specific strategies. Role: Unit member
 - 2018 (Heidleberg-Cement) International competition project for the recovery of the Collepedrino Quarry (BG) "From time to time, from the quarry to nature". Role: PI
 - 2016 (UNIMIB) Effect of temperature on the allochthonous invasive species *Ambrosia artemisiifolia*: morpho-functional traits and allergenicity. Role: unit member

- 2014-2016 (Fond. Cariplo). AmbrosiaNO: Study for the improvement of the ecological connectivity between the Alto Milanese Park and the Ticino Park: containment of ragweed and biodiversity amelioration. Role: CO-head of the unit
- 2013-2016 (EU-Cost Action SMARTER FA1203) "Sustainable management of Ambrosia artemisiifolia in Europe". Member of the "Population genetics" and "Vegetation management" working groups; 2014 (UNIMIB): Allergen characterization of Ambrosia trifida and Ambrosia coronopifolia. Role: unit member

START-UP

- 2003-2006: founder and member of the start-up the "Ecosphere" Associate Firm in Environmental Impact and Accounting

AWARDS

- 2018 (November): Award (1st prize out of 34 participants) "Quarry Life Award 2018-Italia".
- 2018 (December): Award (1st prize out of 110 international participants), category "Research stream: Habitat & Species" of the "Quarry Life Awards 2018-International".
- 2016: award for the organization of the international scientific COST meeting on Ambrosia artemisiifolia, in Cagliari.

FURTHER INFORMATION

- Member of the following COST actions:
 - COST FA1203 - SMARTER (Sustainable management of Ambrosia artemisiifolia in Europe)
 - COST TD1209 (European Information System for Alien Species)
- Working Group on Invasive Alien Species in the Lombardy Region (2017-)
- Meeting organizer:
 - 2020 (Lugano, Switzerland): Scientific committee of the International Congress of Sudalpine Botany
 - 2019: Organizing committee of 10th IALE Congress: Nature and Society facing the Anthropocene;

- 2016 (Cagliari, CA): Organizer of the international COST meeting “Sustainable management of *Ambrosia artemisiifolia* in Europe”
- 2015: Organizing committee of the 110th Congresso della Società Botanica Italiana
- 2013 (Nuvolento, BS): Organizer of the national meeting on “Quarry Renaturation”
- Editorial Board Membership:
 - Editor of *Biodiversity* (2015 -), Editor of *Frontiers in Conservation Science* (2020 -), - Editor of *Agronomy-mdpi* (section Weed species management) (2020 -)
 - Guest Editor of 3 Special Issues (one relating “Biodiversity and Aliens species”)
- Project reviewer for EU (Horizon 2020)
- Reviewer for the IPCC panel
- Reviewer of more than 100 scientific manuscripts for international journals (<https://publons.com/researcher/722666/rodolfo-gentili>).
- Member of the Scientific Committee of Research Center “GEMMA” (Geo Environmental Measuring and Monitoring from multiple plAtforms) from 2018 to 2020.
- Delegate of the University Rector (Unimib) to attend the Inter-University Assembly of the UNISCAPE Network Association (from 2020-)
- Member of the following scientific societies:
 - It Botanical Soc (2006-present)
 - It Ass. For vegetation Science (2010 -)
 - Society for Restoration Ecology (2020 -)
- SCI citations: (WoS: 793), (Scopus: 958), (Google Scholar: 1351)
- H-index: (WoS: 17), (Scopus: 19), (Google Scholar: 22)