

Prof. Graziano Rossi Curriculum Vitae

Date of birth 06/09/1960;

Nationality: Italian

1985 Degree in Natural Sciences at Bologna University;

1991 PhD in Geobotany at Pavia University;

1991 permanent researcher, University of Pavia, Italy.

2001 associate professor of Plant Ecology, University of Pavia.

2014 full professor (Scientific Subject BIO/03 – Environmental and Applied Botany), Department of Earth and Environmental Sciences, University of Pavia

My research focuses on impact of climate change on natural flora and vegetation and on crop production, seed biology and germination ecology of seed plants and conservation of plant diversity in natural, semi-natural habitats and agro-ecosystems. Research activity is documented by more than 150 papers on international journals (Science, Nature Climate Change, Journal of Biogeography, Journal of Ecology, Annals of Botany, Conservation Biology, Biological Conservation, Biodiversity and Conservation, Sustainability, Genet Resour Crop Evol).

Research grants:

2001 EU FPV: GLORIA-EUROPE (Grant agreement ID: EVK2-CT-2000-00056): Project partner

2004 EU FPVI: ENSCONET (Grant agreement ID: 506109): Project partner

2010 SHARE (Stations at High Altitude for Research on the Environment project): responsible of WP on Plant Biodiversity.

2011 Italian Red List of Vascular plants (funded by MATTM): Project Leader

2011 MATTM Development of national guidelines for plant translocations: Project Leader

2013 CWR-ITALY - Towards a more complete coverage of the diversity of crop wild relatives in ex situ collections. Funded by Global Crop Diversity Trust: Scientific responsible for Italy

2013 EU FPVII Marie Curie ITN ID 608775: NASSTEC (The NATive Seed Science, TEchnology and Conservation Initial Training Network): Scientific responsible for University of Pavia (11 PhD student enrolled in PhD school of University of Pavia)

2014 NEXTDATA, Special project WP1.7 Monitoring ecosystems and biodiversity in alpine region: Scientific responsible for University of Pavia

2014 LIFE WetFlyAmphibia (LIFE14 NAT/IT/000759): Scientific responsible for University of Pavia

2015 Alpine Plant Conservation & Research Programme (funded by David and Claudia Harding Foundation): Scientific responsible for University of Pavia

2018 eLTER H2020 (Long Term Ecosystem and Socio Ecological Research Infrastructure), EU INFRAIA 2014-2015 subcontractor of Italian CNR

2022. PNRR NODES subproject VINO

2023 PRIN SENTINEL, MUR funds, Italian Ministry for Scientific research and University. Climate change.

Scientific responsible/Project coordinator/partner (2011-today) of several projects funded by Lombardy Region and Emilia-Romagna Region (Italy) on Rural Development Plans (RDP):

- VCLR (Produzione di potenziali Varietà da Conservazione ortive ed agrarie Lombarde Registrate);
- RICOLMA ("RiCupero Caratterizzazione COLtivazione del Mais Antico), lead by the Università Cattolica di Milano, Piacenza faculty in Agronomy (funded by Regione Emilia-Romagna);
- RELIVE-L (Buone pratiche per recupero, coltivazione e valorizzazione di cultivar locali tradizionali lombarde);
- CORE SAVE (COstituzione di una Rete Regionale per la SALvanguardia del Germoplasma Vegetale tradizionale);
- CULTIVAR (Individuazione, catalogazione e incremento delle collezioni di risorse genetiche vegetali a rischio di estinzione o erosione genetica di interesse agricolo in Lombardia (L. n. 194/2015);
- RESILIENT (Buone pratiche per la salvaguardia e la coltivazione di varietà locali lombarde tradizionali di patata e mais in aree interne)
- CLOVER (Agroecosistemi e Conservazione in LOMBardia di specie VEgetali Rare di Direttiva Habitat)
- LA RAVA E LA FAVA (ConseRvAzione, VALorizzazione e caratterizzazione morFologica e genetica di VArietà ortive "minori" locali).
- ORTICOL-EMI-RO with Emilia Romagna Region and Ministry of Agriculture (MASAF), with the production of the book: Rossi G. et al, 2023. Atlante delle Ortive locali dell'Emilia-Romagna

Scientific responsible/Project coordinator (2010-2013) of two Cooperation and biodiversity conservation projects funded by Municipality of Milan:

- Conservazione della biodiversità di piante utili all'uomo nelle Isole dei Caraibi (Repubblica Dominicana)
- Conservazione della biodiversità vegetale in specie selvatiche in Himalaya (Nepal)

Scientific coordinator (2016-2019) of project funded by Italian National Parks:

- Messa a punto delle conoscenze sulla biodiversità vegetale del Parco Nazionale Val Grande
- Completamento delle conoscenze floristiche e assistenza coordinata al monitoraggio delle specie vegetali inserite negli allegati della direttiva 92/43/CEE "Habitat" del Parco Nazionale Val Grande
- Assistenza coordinata alla pianificazione e realizzazione del monitoraggio delle specie vegetali e degli Habitat inseriti negli allegati della Direttiva 92/43/CEE "Habitat" nel Parco Nazionale Dolomiti Bellunesi

Relevant roles in scientific academies

2005-2011: Coordinator of Group for Nature Conservation of SBI Italian Botanical Society, in charge of Red listing of the Italian flora, funded by Italian Ministry of Environment (MATTM)

2005-2011: vice-chair of RIBES (Rete Italiana Banche del germoplasma per la conservazione Ex Situ della flora Spontanea italiana)

I am one of the founding members of Flora Conservation, a successful Spin-Off Company of the University of Pavia, working in native plant and seed production for habitat restoration, currently completely independent and operating in Pavia (Flora Conservation Società Agricola semplice di Lino Zubani & C).

Supervision of graduate students and postdoctoral fellows

8 postdocs, 12 PhD students

Institutional responsibilities

2013-2017: President of the Bachelor in Sciences and Technology for Nature and of the Master Degree in Natural Sciences at University of Pavia, Italy

2013–today: Member of the Ph.D board, Ph.D. course in Earth and Environmental Sciences, University of Pavia, Italy

2004–2013: Member of the Ph.D board, Ph.D. course in Geobotany and Experimental Ecology, University of Pavia, Italy

2019-2021: vice-Director of Department of Earth and Environmental Sciences at Pavia University

2021-today: Director of Department of Earth and Environmental Sciences at Pavia University

2022-today Deen of the Faculty of Agronomy at Pavia University, LM 69 in Agrifood sustainability.

Major international collaborations

Harald Pauli, effects of climate change on alpine summits, GLORIA project, University of Vienna, Austria;
Simon Linington, Robin Probert, seed germination and ecology, Millennium Seed Bank, Kew Gardens, London UK;

Sandrine Godefroid, plant translocation and reintroduction, Meise Botanical Garden, Brussels, Belgium;

Jonas Muller, seed conservation, Paisaia European Landscape Foundation, Jersey, UK

NAST Nepal Academy of Science and Technology

Svalbard Seed Vault

Total number of citations and general bibliometric indicators of my whole publication record (as of 27/02/24):

Scopus: 159 papers, 6019 citations, H-index: 34

Web of Science Core Collection

WOS: 95 papers, 5035 citations, H-index: 31

Pavia, 03 03 2024

Graziano Rossi

