

CURRICULUM VITAE - PROF. ANNALISA POLVERARI

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Born in Milan on September 13, 1959. Married, one child.



Education and Professional Career

- 1983: Degree in Agricultural Sciences from the University of Perugia with a final grade of 110/110 cum laude, discussing a thesis in Plant Virology.
- 1983-84: Collaboration with the Institute of Plant Pathology, University of Perugia, conducting research in plant virology.
- 1985: Employee at Imperial Chemical Industries (ICI-Solplant) in Milan, focusing on toxicological aspects in the development of new plant protection products.
- 1986-1990: Technician, extension service, Agricultural Development Agency of Umbria Region.
- 1991-2013: University Researcher in Plant Pathology, first at the University of Perugia and, from 1999, at the University of Verona in the Biotechnology Department. She established a research group and a phytopathology laboratory within a non-agricultural department, with a strong focus on innovative biotechnological research. She developed national and international research collaborations and engaged in teaching and thesis supervision.
- 2007: Co-founder of the Department of Sciences, Technologies, and Markets of Vine and Wine (DiSTeMeV) at the University of Verona.
- 2010: Obtained the qualification for Associate Professor in Plant Pathology.
- 2013: Appointed as Associate Professor at the Department of Biotechnology, where she continues to work.
- 2018: Obtained the qualification for Full Professor.

Research Interests

- Plant-pathogen interactions, mechanisms, and signals involved in resistance.
- Inhibition of bacterial pathogenicity in plants.
- Mechanisms of pathogenicity and susceptibility to phytoplasma diseases.
- Biotechnological applications for plant disease resistance, particularly in grapevine.

University Teaching Activities

University of Verona –

- 2000-2017: "Phytopathological Biotechnology" – Master's Degree in Biotechnology.
- Since 2000: "Vine Protection" – Bachelor's Degree in Viticulture and Enology.
- Since 2021: "Safety and Sustainability of Plant Productions" – Bachelor's Degree in Biotechnology.

- Since 2021: "Environmental Sustainability and Certification" – Master's Degree in Viticulture and Enology (taught in English).
- Since 2022 "Plant Protection and Sustainability in Agricultural Production" – Professional Bachelor's Degree in Innovation and Sustainability in Industrial Food Production.

Teaching at Other Universities:

- 2018-2021: International Master's in Applied Plant Biotechnology (MABIOVA) – University Mohammed V, Marrakech (Online Courses).
- 2011-2014: "Phytopathology" – Bachelor's Degree in Agricultural Sciences – Free University of Bozen.

Academic Roles

- Full member of the Academy of Agriculture, Sciences, and Letters of Verona.
- 2015-2021: Vice-Director of the Department of Biotechnology, University of Verona.
- 2015-2021: Member of the Project Management Team "Department of Excellence," Department of Biotechnology, University of Verona.
- Since 2024: Associate Member of the Accademia dei Georgofili, Florence Italy.

Research Projects

She participated and continues to participate as a coordinator or unit leader in several national and international research projects in the field of plant pathology. She is also involved in applied research activities, including molecular diagnosis and monitoring of phytoplasma diseases and in testing the efficacy of plant extracts for plant disease control.

Other Scientific Activities

- Associate Editor of the scientific journals *Nature Scientific Reports* and *Journal of Plant Pathology*, and reviewer for several other international journals.
- Member of the Editorial Board of *Vite&Vino*, technical journal published by Informatore Agrario.
- External reviewer of research projects for national and international public organizations (DFG Deutsche Forschungsgemeinschaft; ANR Agence Nationale de la Recherche; ERA-CAPS; FIRB-MIUR).
- Invited speaker at conferences and scientific seminars in Italy and abroad.
- Since 2013: Member of the Doctoral Committees of various PhD programs at the University of Verona.
- Committee member for public competitions for research positions and doctoral evaluations in Italy and abroad.
- Member of the Italian Society of Plant Pathology (SIPaV).
- Since 2020: Founding member of the spin-off *Edivite*, a biotechnology company developing disease-resistant grapevine prototypes through genome editing.

Organization of Conferences and Training Schools

- 2022-2024: Organizer of the 6th and 7th SIPaV School of Plant Pathology.
- 2021: Scientific Committee Member – 26th Congress of the Italian Society of Plant Pathology.
- 2021: Scientific Committee Member and Organizer – Kyoto Institute of Technology, International OPEN-TECH Webinar 2021: New Approaches for Sustainable Plant Protection from Pests and Parasites (Online).

- 2016: Organizing Committee – International Congress on Grapevine Physiology and Biotechnology, Verona.

Patents

- 2020: Italian Patent 102017000119674 – "Natural Inhibitors of the HrpA1 Gene Expression of *Pseudomonas syringae* pathovar *actinidiae*".
- 2020: Italian Patent 102017000119638 – "Treatment of Kiwi Plants with Plant Extracts to Combat *Pseudomonas syringae* pathovar *actinidiae*"

Publications

Author of 37 peer-reviewed scientific articles in impact-factor journals.

H-index: 18

Verona, October 4, 2024