

Dr Marinella Rodolfi, PhD - Curriculum vitae

Independent professional, mycologist biologist.

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Skills:

Many years' experiences in Mycology with a focus on microfungi morpho-taxonomy. She has carried out studies in the fields of Fungal Ecology, Aeromycology and Plant Pathology. She has specific expertise in evaluating: implications and potential applications of microfungi in natural and anthropised ecosystems; implications of airborne microfungi in various typology of living and working environments; protection of agroecosystems from fungal phytopathogens.

Academic training and research activities:

1997: Degree in Biological Sciences from the University of Pavia.

2000-2002: Scholarship holder at the University of Pavia.

2004: PhD in 'Experimental Ecology and Geobotany', specialising in 'Fungal Biodiversity', University of Pavia.

2004-2009: Scholarship holder at the Bussolera-Branca Foundation (Mairano di Casteggio, PV) in collaboration with the University of Pavia and the University of Milan.

2010-2017: Research fellow at the University of Pavia.

2012-18: Member of Miconet Srl, academic spin-off of the University of Pavia.

2021: Scholarship holder at the University of Pavia.

Research activities and extra-academic positions

2009-11: Consultant as taxonomic mycologist for INAIL - Contarp (Rome) within the project "Analysis of occupational risks in the agri-food processing sector: the wine and olive oil sector", funded by the Ministry of Labour and Social Policies.

2009-16: Scientific coordinator of the project 'Fight to Blast' (University of Pavia - Province of Vercelli, Agriculture Section - Agricultural Foundation of Novara).

2017-18: Scientific Referent of the Project 'BRUMA: Application of decision support tools for the protection of rice from *Pyricularia oryzae* in Piedmont', in collaboration with Piedmont Region, Ente Nazionale Risi, Agricultural Foundation of Novara.

2019: Scientific Referent of the Project "BRUMAVA - Application and validation in the field of decision support tools for the protection of rice from *Pyricularia oryzae* in Piedmont", in collaboration with Piedmont Region, Ente Nazionale Risi, Agricultural Foundation of Novara.

2020-24: Consultant as Qualified Biologist within the network monitoring of Rice Blast in Piedmont, financed by the Agriculture and Food Directorate Phytosanitary and Technical-Scientific Services Sector of the Piedmont Region.

Academic teaching activities:

2010-11: Adjunct professor of 'Microbiological Analysis - mod. 2', course of study in Experimental and Applied Biology (LM), SSD BIO/02, University of Pavia.

2015-2019: Adjunct Professor of 'Environmental Mycology', course of study in Experimental and Applied Biology (LM), SSD BIO/02, Dept. of Biology and Biotechnology 'Lazzaro Spallanzani', University of Pavia.

2019-20: Adjunct Professor of 'Environmental Microbiology', course of study in Experimental and Applied Biology (LM), SSD BIO/19, Dept. of Biology and Biotechnology 'Lazzaro Spallanzani', University of Pavia.

2020-24: Adjunct Professor of 'Biotechnological Microorganisms' (Mod. 2), course of study in Biotechnology (LT), Dept. of Biology and Biotechnology 'Lazzaro Spallanzani', University of Pavia.

2020-24: Contract Professor of "Mycology and Parasitology with Laboratory Techniques" (Mod. 1), course of study in Experimental and Applied Biology (LM), SSD BIO/02, Dept. of Biology and Biotechnology "Lazzaro Spallanzani", University of Pavia.

Extra-academic teaching activities:

2011-2024: Lecturer Trainer as qualified taxonomic mycologist for bioMérieux Italia S.p.A.

2015-21: Lecturer at APOLF (Provincial Agency for Guidance, Employment and Training) in Pavia, as part of IFTS training projects (lectures on "Food contamination", "The nutritional and nutraceutical value of food and new cooking techniques + HACCP", "Food and well-being").

2018-19: Lecturer at the Professional Institute "Crotto Caurga" in Chiavenna, as part of IFTS training project "Technician expert in the creation of menus of typical food and wine products that enhance artisanal processes and the sustainability of territories (Aree Interne Valchiavenna)" (teaching "Food contamination").

2022-2024: Lecturer in 'Indoor environmental requirements of workplaces: microclimate, air quality, lighting and noise. Focus on indoor air quality and microfungi', courses in collaboration with CeSNIR (Occupational Health and Safety Assessments) and AIAS Academy (Italian Environment and Safety Association).

Publications and participation in thesis projects

Co-author of more than 50 scientific publications, 4 books and 6 book chapters.

Co-author of more than 100 papers presented at both nationally and internationally scientific conferences, 29 of which were presented as a speaker.

Co-supervisor of 1 Experimental Thesis for the Italy-Ecuador 2nd Level International Biennial Master's Degree Course in "Science and Technologies for Sustainable Use of Non-Traditional Biological Resources" and 1 PhD Thesis in "Experimental Ecology and Geobotany", University of Pavia.

Co-supervisor of 53 Degree Theses (degree courses in Biological Sciences, Experimental and Applied Biology, Flower and Plant Sciences, Science and Technology for Nature, Natural Sciences LMplus, Faculty of Science MM.FF.NN., University of Pavia).

Supervisor of 11 Degree Theses (degree courses in Experimental and Applied Biology and Biotechnology, Faculty of Science MM.FF.NN., University of Pavia).