

## Emanuela Gobbi (UNIBS)

### EDUCATION

1983 Agricultural Science Degree, Summa cum Laude, University of Milan, Italy.

### PROFESSIONAL EXPERIENCE

2012-ONGOING Dept. Molecular and Translational Medicine, University of Brescia, Associate Professor

2001 Department of Plant Pathology, University of California, Davis, USA visiting scientist

1994; 1991 Department of Plant Pathology and Microbiology, Texas A&M University, USA Visiting scientist

1986- 1988-1989 -Department of Biology, Utah State University, USA Post-doctoral researcher

1985 -1986 Department of Biology, Utah State University, USA Post-doctoral researcher

2002 - 2010 Biodiversity S.p.a., Brescia, Italia. Head of R&D Microbiology

1986 -2012 Dep of Environmental and Agricultural Science, University of Udine, Assistant Professor

1983 -1985 Plant Pathology Institute, University of Milan, Italy Research Assistant

Research activity: Emanuela Gobbi is a mycologist with a special emphasis on the development of molecular markers and diagnostic methods applied to plant pathogen fungi, mycotoxins and bacteria. In this context, she focused her researches on the mitochondrial DNA polymorphism of *Cryphonectria parasitica*, a chestnut pathogen, to be used as marker in biological control of Chestnut Blight. She also studied fungal mitochondrial plasmids associated to a senescent phenotype of the colonies. She developed several molecular and Electronic nose diagnostic protocols for food and human microbiological contaminations and for mycotoxin contaminations in cereals. She was also devoted to the production of Real Time PCR kits for diagnosis in human and agri-food fields in a biotech company. The main topics of her research are now the safety of plant beneficial microorganisms, mainly as far as their secondary metabolites, and the use of fungi for metal recovery and more generally for waste biorefineries in circular economic approach.