

Emanuela Gobbi is a long-standing mycologist with a special emphasis on the production and safety of beneficial microorganisms, mainly as far as their secondary metabolites, and the promotion of the economic sustainability of agri-food systems with circular economy processes by fungal waste biorefineries.

The main topics of her research have been the development of molecular markers and diagnostic methods applied to plant pathogen fungi, mycotoxins and bacteria. In this context, she focused her researches on fungal mitochondrial DNA polymorphism and fungal mitochondrial plasmids associated to senescent phenotypes. She developed several Electronic nose and Real Time PCR diagnostic protocols for microbial and mycotoxins diagnosis in human and agri-food fields. She has been visiting professor at the Utah State University, Logan, the Texas A&M University, College Station, and the University of California, Davis. She is associate professor of Plant-pathogen applied biotechnology and Plant Pathology.