

Dr. Ahmed Abdelfattah

Personal Details

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Profile

I am a researcher and head of the working group Microbiome Management at the Department of Microbiome Biotechnology, Leibniz Institute of Agriculture engineering and Bio-economy (ATB), Potsdam. Microbiome management working group focuses on the assembly, interaction, and function of the microbiome of environmental and natural ecosystems. I was a Marie Curie Fellow at Graz University of technology (TU Graz) with the project applebiome (<https://applebiome.com/>), a former postdoc at Stockholm University, and Mediterranean University of Reggio Calabria. I received my doctoral degree in 2016 from Palermo University, in Agro-forestry sciences. I am focused on understanding how plant-associated microbes are transmitted between generations and how global change may influence their community composition. The main goals of Microbiome Management are to understanding the interlinked effects of the microbiome in circular bio economy; Developing microbiome-based products and microbiome management strategies; and establishing integrative, eco-evolutionary understanding of microbiomes for sustainable future.

Education

- 2013-2016 DOCTOR OF PHILOSOPHY. PhD in Ecological and phytosanitary management in agro-forest and urban environments. University of Palermo, Italy. Thesis: Molecular analysis of the fungal community associated with phyllosphere and carposphere of fruit crops.
- 2011-2012 MASTER OF SCIENCE (RESEARCH). MSc. (*Cum Maxima Laude*) in Integrated Pest Management (IPM) of Mediterranean fruit tree species. International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM). Mediterranean Agronomic Institute of Bari (MAIB)
- 2010-2011 POSTGRADUATE SPECIALIZATION DIPLOMA (*Cum Maxima Laude*) in Integrated Pest Management (IPM) of Mediterranean fruit tree species. International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM). Mediterranean Agronomic Institute of Bari (MAIB)
- 2003-2008 BACHELOR OF AGRICULTURAL SCIENCE. B.Sc. in Plant Diseases and Microbiology, Faculty of Agriculture Ain Shams University, Egypt

Professional Experience

- Since 2022 Head of working group Microbiome Management at the department of Microbiome Biotechnology, Leibniz Institute of Agriculture engineering and Bio-economy (ATB), Potsdam, Germany.
- 2020- 2022 Marie Curie Fellowship, Institute of Environmental Biotechnology, Graz University of Technology. Austria. Apple-Biome Project www.applebiome.com

- 2018 Scientific Habilitation: The Italian National Scientific Habilitation (ASN), (07/D1) BANDO D.D. 1532/2016.
- 2018-2020 POSTDOCTORAL FELLOWSHIP, Department of Ecology, Environment and Plant Sciences (DEEP), Stockholm University, Sweden.
- 2016-2018 POSTDOCTORAL FELLOWSHIP, Department of Agriculture, Mediterranean University of Reggio Calabria, Reggio Calabria, Italy.