

Current position

PhD student, First Year, Doctoral School of Sciences and Innovative technologies, Course of Biological Science and Applied Biotechnologies, Dipartimento di Scienze della Vita e Biologia dei Sistemi - Life Sciences And Systems Biology Department, Università degli Studi di Torino, Torino, Italy.

Education

2012: Master's degree in Environmental Biology (grade: 110/110), Università degli Studi di Torino, Facoltà di Scienze Matematiche Fisiche e Naturali. Project work: "Seasonal variations in the mycorrhizal community of the mediterranean orchid *Anacamptis morio*". Defended: October 18th.

2010: Bachelor's degree in Ecological Biology (grade: 102/110); Università degli Studi di Torino, Facoltà di Scienze Matematiche Fisiche e Naturali. Final work: "Detection di microorganismi patogeni e benefici nella rizosfera del riso" Defended: July 14th.

Work experiences

2013: "Introduction to research" grant. Study of orchid mycorrhizal symbiosis, their functional and taxonomic biodiversity.

2014: Fixed-term contract in Parco Naturale del Marguareis (Natural Regional Park of Marguareis). I worked as a collaborator in the ALCOTRA project "SEMINALP: Régénération des grains des plantes des Alpes sud-occidentales" in collaboration with the "Conservatoire Botanique National Alpin" of Gap (France)

Skills

- Molecular techniques: DNA/RNA extraction, PCR, electrophoresis, bacterial transformation, in vitro culture.
- Microbiology: Use of the microbiological safety cabinet, use of the optical microscope, use of the autoclave
- Use of bioinformatic databases
- Use of the bioinformatic softwares MEGA, Mr Bayes, Seaview, CLC, TreeGraph,...
- Use of Microsoft Office package
- Use of R packages
- Good knowledge of written and spoken English
- Excellent knowledge of the Alpine flora.

Publications

- Ercole E., Adamo M., Rodda M., Gebauer G., Girlanda M., Perotto S. 2014. Temporal variation in mycorrhizal diversity and carbon and nitrogen stable isotope abundance in the wintergreen meadow orchid *Anacamptis morio*. *The New Phytologist*.
- Carasso V., Adamo M., Gallino B. 2014. Conservazione ex situ di alcune orchidee spontanee piemontesi presso il Centro Biodiversità Vegetale dell'Ente di Gestione del Parco Naturale del Marguareis. Pag 48-49 in: *Esperienze di Conservazione delle Orchidee*. Edited by: Magrini S., Fonk M., Zucconi L. Tipolitografia Quatrino, Viterbo

Congress presentations

Ercole E., Adamo M., Rodda M., Gebauer G., Girlanda M., Perotto S. 2013. "Mycorrhizal seasonal variation and nutrient flow in *Anacamptis morio*". 31st New Phytologist Symposium. Orchid symbioses: models for evolutionary ecology. University of Calabria, Rende, Italy 14 – 16 May.

Other Experiences

August 2008: Voluntary work for the organization "Amico Parco" for the reintroduction of *Gypetus barbatus* in the south-western Alps. Working on monitoring and protection of the bearded vulture in the Natural Regional Park of Alpi Marittime, Entracque, Cuneo, Italy.