

CV Andrea Ferrarini

Andrea Ferrarini was born in Belluno, Italy, on June 18th, 1987. He graduated in June 2012 in "Environmental Sciences" at the Cà Foscari University, Venice, Italy. He graduated in June 2012 with 110/110 (cum laude). For the MSc thesis project, he studied the impacts on biological, chemical and physical soil quality indicators of the main conventional and organic farming practices adopted in Venice floodplain. As main output of the thesis he developed a Soil Health Index (SHI) based on the ecological soil functions for organic carbon stabilization in agricultural soils. In March 2016 he achieved a European Research Doctorate at Università Cattolica del Sacro Cuore, Piacenza, Italy (tutor: Prof. Dr. Stefano Amaducci). The Research Doctorate subject was "Multiple ecosystem services provision from perennial bioenergy crops". From October 2014 to April 2015 he spent his PhD period abroad at Department of Agricultural Soil Science, University of Goettingen, Germany. Since 2013 is member of the Italian Society of Agricultural Chemistry (SICA) and of the Italian Society of Soil Science. Since 2016/2017, he teaches "*Multiscale agroecosystems analysis*" at Agrisystem doctoral School of Università Cattolica del Sacro Cuore and "*Agronomy and Food Sciences*" at Politecnico di Milano. Main expertises are focused on statistical and laboratory skills in the fields of multivariate analysis and soil biogeochemistry and microbial ecology. From April 2016 until now he holds a research position at the Department of Sustainable Crop Production (Piacenza, Italy). He studies soil microbial community (structure and function) and biogeochemical cycles under perennial and annual cropping systems. Main expertise are soil biochemistry, plant-soil interactions and soil quality assessment related to agricultural practices. He is participating to a EU-BBI GRACE project (*GRowing Advanced industrial Crops on marginal lands for bioRefineries*). He also participates to two EIP-Operational Groups (CABIOS and FarmCO₂Sink) focused on conservation agriculture and C-farming practices, both funded by RDP 2014-2020 of Emilia Romagna region. He is author of 10 scientific publications, 5 indexed on Scopus and HI 2.



Ongoing Projects



Research profiles

