


Sofia Berlanda

Date of birth: 12/02/2000

Nationality: Italian

CONTACT

 Thessaloniki, Greece

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WORK EXPERIENCE

Hellenic Agricultural Organization Dimitra, Forest Research Institute Thessaloniki, Greece

Doctoral researcher

01/04/2026 – present

Forest ecophysiological traits and functions (leaf gas exchange, soil respiration, water relations and heat tolerance, carbon isotope signatures, litter decomposition, soil biodiversity, biometric assessments)

University of Bologna Bologna, Italy

Research scholar

15/02/2025 – 15/02/2026

Dendrochronological measurements

Sample preparation for stable isotope analyses (dating and cutting annual ring, grounding and weighting samples for isotope analyses)

Environmental manipulation at an experimental site

Maintenance of trees' sensors

EDUCATION AND TRAINING

2026 – present Thessaloniki, Greece

PhD student at University of Athens, Department of Biology, in collaboration with the Hellenic Agricultural Organization Dimitra, Forest Research Institute (www.fri.gr)

Field of study Forest Ecophysiology

Topic Effects of understory removal on C sequestration, fire risk and soil biodiversity in Mediterranean pine forests

2022 – 2025 Padova, Italy

Master's degree in Forestry and Environmental Sciences University of Padova

Field of study Forestry | **Thesis** Wildfires: review of indexes and indicators and possible applications

01/08/2024 – 24/09/2024 Italy

Master's Internship Museum of Rovereto (Foundation Civic Museum of Rovereto)

- Dendrochronological measurements and creation of chronological curves for species

Field of study Dendrochronology

2019 – 2022 Italy

Bachelor's degree in Land and Agro-Forestry Sciences University of Bologna

Field of study Inter-disciplinary program and qualifications involving agriculture, forestry, fisheries and veterinary | **Thesis** Management of *Pinus nigra* Arn.

06/2021 – 08/2021 Slovenia

Bachelor's internship University of Ljubljana

Field work: assessment of seedlings regeneration and vitality (wildlife, pests, abiotic stress), gps tracking of plots, evaluating canopy cover

Field of study Forestry

LANGUAGE SKILLS

Mother tongue: **Italian**

Other language(s):

English: very good

Portuguese: basic

CONFERENCE ANNOUNCEMENTS

Guerrieri, R., Montedoro, M., Berlanda, S., Arcidiaco, L., Rossi, M., Mazzenga, F., Rinne-Garmston, K., and Matteucci, G. and the ICOS and ICP Forests collaborators. Forest responses to nitrogen deposition and climate extremes as assessed by combining stable isotopes in tree rings and ecosystem fluxes, EGU General Assembly 2026, Vienna, Austria, 3–8 May 2026, EGU26-12479, <https://doi.org/10.5194/egusphere-egu26-12479>, 2026. (oral presentation)

Montedoro M., Berlanda S., Arcidiaco L., Rossi M., Mazzenga F., Aurela M., Berveille D., Buchmann N., Delpierre N., Feigenwinter I., Gerosa G., Ibrom A., Lange E.R., Lauriks F., Männikkö M., Marzuoli R., Van der Molen M., Montagnani L., Neiryck J., Rinne-Garmston K., Vanguelova E., Verstraeten A., Waldner P., Matteucci G., Guerrieri R.. The combined effect of nitrogen deposition and climate extremes on European forests: integrating stable isotopes in tree rings and ecosystem fluxes, TRACE2026: Tree Ring in Archeology, Climatology and Ecology, 25-30 May 2026, National Research Council of Italy (CNR), Rome. (poster)