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DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE

CIVIL AND ENVIRONMENTAL ENGINEERING

DOCTORAL PROGRAM 2025-2026



Daniela Pezzolla is Associate Professor in Agricultural Chemistry at the Department of Civil and Environmental Engineering of the University of Perugia.

She works on sustainable valorization of organic wastes to obtain high quality fertilizers and plastics influences on soil chemical parameters.



Nicolò Montegiove is a researcher at the Department of Civil and Environmental Engineering of the University of Perugia.

He was granted a Ph.D. in Biotechnology at the University of Perugia and his research is now focused on the waste biomass valorization.

Location

Campus of Engineering

University of Perugia Via G. Duranti, 93 - Perugia

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For more info Mrs. Teresa Nocera, Ph.D. Program Secretariat (teresa.nocera@unipg.it)
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ENVIRONMENTAL IMPACT OF PLASTICS AND BIOPLASTICS

Instructor

Daniela Pezzolla Ph.D., Associate Professor,
University of Perugia

Nicolò Montegiove, Ph.D., Researcher,
University of Perugia

Course description

The course aims to provide knowledge to evaluate the environmental impacts of plastics and bioplastics, giving particular importance to the degradation processes of bioplastics during the biological treatment of organic waste.

The topics covered include:

- environmental pollution of plastics and bioplastics;
- biological processes for waste treatment and the fate of bioplastics;
- analytical methods to identify and quantify different types of plastics and microplastics in organic fertilizers and soil;
- recovery and reuse of plastics.

Course Schedule (12 hours, 2 CFU)

16/06/2026	14:30-17:30, Room 15
19/06/2026	14:30-17:30, Room 15
23/06/2026	14:30-17:30, Room 15
24/06/2026	14:30-17:30, Room 15

