



A.D. 1308

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DIPARTIMENTO
DI INGEGNERIA
CIVILE E AMBIENTALE

CIVIL AND ENVIRONMENTAL ENGINEERING

DOCTORAL PROGRAM 2024-2025



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

Room 13, Room 15 Campus of Engineering
University of Perugia Via G. Duranti, 93 - Perugia

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TO JOIN!



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 (18 hours, 3 CFU)

03/06/2025,	14:30-17:30, Room 15
05/06/2025,	14:30-17:30, Room 13
10/06/2025,	14:30-17:30, Room 13
12/06/2025,	14:30-17:30, Room 13
17/06/2025,	14:30-17:30, Room 15
19/06/2025,	14:30-17:30, Room 13

