

CURRICULUM OF SCIENTIFIC AND TEACHING ACTIVITIES
(Prepared pursuant to Articles 46 and 47 of Presidential Decree No. 445 of 28 December 2000)

The undersigned FILIPPO FAZZINO, born in Reggio Calabria (Italy) on 23 September 1992 and residing in Catania, aware that, pursuant to Article 76 of Presidential Decree No. 445/2000, false statements and the use of forged documents are punishable under the Italian Penal Code and relevant laws,

DECLARES:

Education and qualifications

- To have obtained a Ph.D. in Civil, Environmental and Safety Engineering (XXXIV Cycle) from the University of Messina on 4 April 2022, defending a dissertation entitled “A novel integrated treatment for mature landfill leachate via active filtration and anaerobic digestion”. Supervisor: Prof. Paolo S. Calabrò; Co-supervisor: Dr. Stefania Bilardi;
- To have obtained a Master of Science Degree in Environmental and Territorial Engineering (LM-35) from the Mediterranean University of Reggio Calabria on 13 December 2016, graduating with honors (110/110 cum laude), defending an experimental thesis entitled “Innovative pretreatments for the valorization of citrus waste through anaerobic digestion”. Supervisor: Prof. Paolo S. Calabrò;
- To have obtained a Bachelor’s Degree in Civil and Environmental Engineering (L-7) from the Mediterranean University of Reggio Calabria on 16 December 2014, graduating with honors (110/110 cum laude), defending an experimental thesis entitled “Odorous emissions treatment: Biofiltration”. Supervisor: Prof. Paolo S. Calabrò;
- To have obtained a Scientific High School Diploma from Liceo Scientifico Statale Leonardo da Vinci (Reggio Calabria) in 2011, with a score of 100/100;

Professional experience

- Since 1 March 2023, holding the position of Assistant Professor (RTD-A, Art. 24, paragraph 3-a, Law 240/2010) at the Department of Civil Engineering and Architecture, University of

Catania, in the scientific-disciplinary sector CEAR-02/A Environmental and Sanitary Engineering;

- From January 2022 to December 2022, Research Fellow at the Mediterranean University of Reggio Calabria, carrying out:
 - Experimental research in the scientific-disciplinary sector CEAR-02/A on “Innovative Treatments for Landfill Leachate” at the Environmental and Sanitary Engineering Laboratory; Principal Investigator: Prof. Paolo S. Calabrò;
 - Technical inspections at wastewater treatment plants within the framework of the agreement between the Calabria Regional Government and the Mediterranean University of Reggio Calabria aimed at improving wastewater treatment systems in Calabria;
- From October 2018 to December 2021, Ph.D. student actively involved in experimental activities at the Environmental and Sanitary Engineering Laboratory of the Mediterranean University of Reggio Calabria under the supervision of Prof. Paolo S. Calabrò;
- From April 2018 to October 2018, Research Grant Holder at the Environmental and Sanitary Engineering Laboratory of the Mediterranean University of Reggio Calabria for activities on “Biorefining of Biodegradable Waste and Agro-industrial Residues”; Principal Investigator: Prof. Paolo S. Calabrò;
- Co-supervisor of several Bachelor’s and Master’s experimental theses within the scientific-disciplinary sector CEAR-02/A at the Universities of Reggio Calabria and Catania;

Scientific production

- As of 29 September 2026:
 - Scopus Author ID: 57210172643.
 - 22 publications indexed in Scopus.
 - 538 citations.
 - h-index: 13.

- Author of 22 scientific publications in the field of Environmental and Sanitary Engineering (CEAR-02/A);

Teaching activities

- Co-lecturer (Academic Year 2026/2027) for:
 - Sustainable and Circular Waste Management, Bachelor's Degree in Engineering for Ecological Transition, University of Catania;
 - Sustainable and Circular Recovery of Water and Waste, Master's Degree in Environmental Engineering, University of Catania;
- Co-lecturer (Academic Years 2022/2023, 2023/2024, 2024/2025) in Environmental and Sanitary Engineering, Bachelor's Degree in Civil, Environmental and Management Engineering, University of Catania;
- Co-lecturer (Academic Years 2023/2024, 2024/2025, 2025/2026) in Sustainable and Circular Recovery of Water and Waste (formerly Environmental Treatment Plants), Master's Degree in Environmental Engineering, University of Catania;
- Co-lecturer (Academic Year 2025/2026) in Sustainable and Circular Waste Management, Bachelor's Degree in Engineering for Ecological Transition, University of Catania;
- Co-lecturer (Academic Year 2022/2023) in Chemical Processes for Circular Economy and Biorefining, Master's Degree in Sustainable Environment and Energy Management, Mediterranean University of Reggio Calabria;
- Lecturer in the Ph.D. Programme in Civil, Environmental and Industrial Engineering (XXXVIII Cycle), Mediterranean University of Reggio Calabria, delivering the course "Waste management and biorefining" (8 hours of classroom teaching) on 3 April 2023;
- Invited lecturer in the Second-Level Master's Programme "Strategic evaluation and planning of cities and territories" (A.Y. 2021/2022), delivering a lecture entitled "Waste management: regulatory and technical aspects";
- Teaching assistant and member of examination boards for:

- Industrial and environmental plants and municipal solid waste management;
- Chemical processes for circular economy and biorefining,
- Environmental and sanitary engineering;

Participation in scientific events

- Young Water Professionals European Conference, Milan, Italy (14-17 June 2026):
“Fluorescence-based artificial neural networks to control the removal of contaminants of emerging concern by O₃-AOPs”;
- GITISA Young 2026, Turin, Italy (10-12 June 2026):“Removal of organic micropollutants by O₃- and UV-based advanced oxidation processes: matrix effects and energy requirements under Directive (EU) 2024/3019”;
- CEST 2025, Kos, Greece (3-6 September 2025):“Coupling artificial neural network and fluorescence spectroscopy to control CEC removal during AOPs”;
- EAAOP 2025, Paestum, Italy (10-13 June 2025):“Fluorescence-based statistical and artificial neural network approaches to monitor contaminants of emerging concern removal and control O₃/H₂O₂ and UV/ H₂O₂ AOPs”;
- Additional oral presentations delivered at SIDISA 2024, REMTECH Europe 2024, YWP Conference 2024, SiCon 2024, Sustainable Solid Waste Management 2023, and SIDISA 2021;
- Third-Level Course“Some Basics of the Analysis and Mitigation of Landslides Risk”, Polytechnic University of Turin, 2020 (16 hours);
- Ph.D. School on Impacts of Climate Change and Sustainable Engineering Responses, University of Naples Federico II, 2019;
- Summer School“Climate Change and Environmental Pollution and Restoration”, University of Palermo and ENI, 2018;

Additional qualifications and certifications

- National Scientific Qualification (ASN) for the position of Associate Professor (Second Fascia) in Competition Sector 08/A2, Environmental and Sanitary Engineering, Subsurface Hydrocarbon and Fluid Engineering, Safety and Civil Protection Engineering, obtained in December 2023.
- Licensed Professional Engineer and registered with the Order of Engineers of the Province of Reggio Calabria, Section A, Civil and Environmental Engineering Sector, Registration No. A3591;
- Holder of Cambridge English qualifications at levels B2 First and C1 Advanced.

Catania, 29/09/2026

Il dichiarante