

Curriculum Vitae

Manuela Antonelli, Ph.D.

Place and date of birth: Milano (I), 9 August 1971

Current position: associate professor

Politecnico di Milano (POLIMI)

Dipartimento di Ingegneria Civile e Ambientale (DICA)

Piazza Leonardo da Vinci, 32

20133 Milano

Tel.: +39 02 2399 6407

e-mail: manuela.antonelli@polimi.it



Associate professor at Politecnico di Milano (POLIMI) - DICA (Department of Civil and Environmental Engineering), she got the PhD in Environmental Engineering at POLIMI in 2000, and she was visiting scholar at Duke University, CEINT (Center for Environmental Implications of Nanotechnologies), North Carolina, USA in 2011. She is in charge of the “Water Treatment” course and coordinator of the Ph.D. course “Environmental Chemistry and Microbiology” within the Ph.D. program in Environmental and Infrastructure Engineering. Since 2012, she is vice-coordinator of the Program Board in Environmental and Land Planning Engineering at POLIMI and since 2019, she is member of the PhD Program Board of the PhD Programme in Environmental and Infrastructure Engineering.

Her research activity is mostly addressed to the evaluation of physical-chemical finishing post-treatments alternatives (disinfection, advanced oxidation processes AOPs, adsorption on activated carbon, pressure-driven membrane separation processes), even based on the use of nanomaterials, for water and wastewater aiming at reclamation and reuse for irrigation or in the industrial field. These activities are performed in tight cooperation with private companies, public and private plant managers, and national and international research groups, collaborating in projects focused on process optimization and rationalization of water usage for a sustainable management of water resources.

She has been involved, both as member and coordinator, in research projects funded both on the basis of public competitions (e.g. EU, Italian Ministry of Research, Lombardy Region and Fondazione Cariplo) and by private and public entities.

She has been tutor, co-tutor and examiner of 130+ B.Sc. and M.Sc. theses in Environmental and Land Planning Engineering and Civil and Environmental Engineering at POLIMI. She has also been supervisor and co-supervisor of 11/2 Ph.D. theses in Environmental and Infrastructure Engineering. She has been responsible for about 11 fellowships, some of them being multi-year.

She has authored and co-authored 135+ scientific products published in international peer-reviewed journals, international books, or presented as platform or poster presentation at international conferences, and published in Italian books, journals and in proceedings of national conferences (50+ ISI and Scopus rated).

She has 2 patents, one related to a sensor for measuring deposits’ thickness in pipes, the other related to a smart water recycle system to be applied to dishwashers.

She reviewed since 2007 manuscripts submitted for publication in international journals and conferences, and research projects for the Italian Ministry for Research (MIUR).

She has been also member of the organizing and scientific committees in some conferences at international levels.