



Francesca Mangiagli

● ABOUT ME

As a PhD student specializing in Environmental Engineering, my passion lies in sustainability and preventing pollution. I firmly believe that resource reuse stands among the pivotal challenges of our time, offering a pathway towards significantly enhancing environmental management in a practical and impactful manner.

● WORK EXPERIENCE

01/11/2023 – CURRENT Rome, Italy

RESEARCH ACTIVITY - PHD STUDENT XXXIX CYCLE SAPIENZA UNIVERSITY OF ROME

Collaborative research between the Council for Agricultural Research and Analysis of Agricultural Economics (CREA) and the Department of Civil and Environmental Engineering (DICEA), Sapienza University of Rome, funded by the National Recovery and Resilience Plan (PNRR).

Research field: Environmental sustainability of wastewater reuse in the agricultural production cycle

01/04/2023 – 30/09/2023 Rome, Italy

INTERNSHIP TRAINEE WSP ITALY

Environmental Engineer in the Water Treatment and Management Plants Group

Participation in a project for the efficient management of water resources and the reduction of water losses in production facilities of a major Italian company active in the defence, aerospace and security sectors

Drafting of documents required for the design of wastewater treatment plants

01/03/2022 – 30/09/2022 Lisbon, Portugal

RESEARCH ACTIVITY - INTERNSHIP TRAINEE PORTUGUESE NATIONAL LABORATORY FOR CIVIL ENGINEERING

Research activities in the laboratories of the Department of Hydraulic and Environmental Engineering

Research subject: Evaluation of chlorine reactivity in wastewater disinfection for the production and distribution of treated water

Knowledge of absorption spectra and fluorescence spectroscopy techniques

Laboratory experience on chlorination of wastewater samples

Study of the influence of nitrogen on the breakpoint curve and chlorine decay

SUPPORT FOR THE LIBRARY SERVICE DEPARTMENT OF CHEMICAL ENGINEERING, MATERIALS AND ENVIRONMENT (DICMA)

Scholarship for librarian activity

Use of online Sebina Open Library

Opening of consultation and reading rooms

Distribution and relocation of consulted material

User assistance for bibliographic searches

● EDUCATION AND TRAINING

09/2020 – 23/01/2023 Rome, Italy

MASTER'S DEGREE ENVIRONMENTAL ENGINEERING Sapienza University of Rome

Recognition of Excellent Graduate of the Faculty of Civil and Industrial Engineering for the Academic Year 2021/2022

Principal Subjects: wastewater treatment plants, environmental remediation, solid waste management planning, materials reuse and recycling

Final grade 110/110 cum laude |

Thesis Wastewater disinfection for reclaimed water production and distribution – a lab study for assessing the chlorine reactivity

15/02/2022 – 30/09/2022 Lisbon, Portugal

ERASMUS + PROGRAMME Instituto Superior Técnico de Lisboa

Principal Subjects: air quality engineering, wastewater disinfection treatments

09/2015 – 31/03/2020 Rome, Italy

BACHELOR'S DEGREE ENVIRONMENTAL ENGINEERING Sapienza University of Rome

Final grade 102/110 | **Thesis** Electro-assisted ozonation for the treatment of coloured textile effluents

09/2010 – 07/2015

HIGH SCHOOL DIPLOMA Benedetto da Norcia Classical High School

Field of study Arts and humanities

● **QUALIFICATIONS**

01/2024 – CURRENT

Qualification as a Civil and Environmental Engineer

● **DIGITAL SKILLS**

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | AutoCAD 2D - Basic knowledge | QGIS - Basic knowledge | Python Language - Basic knowledge | MATLAB Language - Basic knowledge | Risknet - Basic knowledge

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **CONFERENCES AND SEMINARS**

02/2023 – 02/2023 Rome, Italy

SiCon 2023

Assistant during the 14th EDITION of the Workshop SiCon 2023 SITI CONTAMINATI Experiences in remediation interventions, at the Faculty of Civil and Industrial Engineering of Sapienza, University of Rome, from 8 to 10 February 2023

16/06/2024 – 19/06/2024 Copenhagen, Denmark

YWP European Conference 2024

Speaker for a presentation on "Multidisciplinary experimental methodology for the evaluation of crops irrigation with reclaimed wastewater"