

Matteo Paoletti



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PROFILE

Good communication skills gained through various working experiences, most of which in the university environment, but also recently thanks to my researcher experience.

Good teamwork skills refined thanks to several group project developed.

Very good commands of Gis programmes and MS Office packages.
Good Python knowledge and application.

LANGUAGE SKILLS

Italian native speaker
English, IELTS™ Academic test, Overall 7.5.

POSTER PRESENTATIONS:

GIS-Based survey and hydrogeological assessment of Operational Extractive Activities in Italy – Flowpath 2023 – National Meeting of Hydrogeology

Indexing water vulnerability at quarry sites: first results from coupling GIS and MCDA – BeGEO2023 - The 2nd Conference of Young Geoscientists, "Sustainability and Risk - BeGEOscientists on the road to the future" -

EDUCATION

PhD in "Ecology and management of environmental resources"
University of Tuscia - DEB

2022 - currently

Thesis: Interaction between mining activities and groundwater

Master's Degree in EIT Raw Materials © - RAw Material Exploration and Sustainability (LM-74)

Alma Mater Studiorum, University of Bologna (110 with honors)

2020-2022

Thesis: Synthesis of Na-PSS geopolymers and analysis of the H₂O/Na₂O molar ratio influence over their mechanical properties.

Bachelor's Degree in Geological Sciences (L-34)

University of Roma Tre (102/110)

2016-2020

Thesis: Cartografia geologica dell'area a ridosso del sovrascorrimento del Monte Tancia (Monti Sabini, RI) e analisi stratigrafica della successione di tetto

EXTRA-CURRICULA ACTIVITIES

Symple - School of Hydrogeological Modeling

2023 January - September

Learning activity dedicated to developing and calibrating numerical models for groundwater flow and contaminant transport.

Artificial Intelligence (AI) for Earth Observation Data

2022 July

A 3-week course focused on AI, ML, and DL applied to the Earth observation data to monitor the Earth system (land, ocean, atmosphere, etc...)

Field Workshop with Finnish Geological Service (GTK)

2021 August

Field workshop carried out at Lammi (Finland) focused on learning geophysical survey methods to characterize an ore deposit.

EIT Raw Materials © RawMatCop Academy

2020 September

A short workshop focused on developing skills to use Copernicus (Sentinel-1 and Sentinel-2) and Earth observation data

WORKING EXPERIENCE

Scientific Contractor

GecoAgriLand Italy

2022 June - 2022 November

I worked as a GIS analyst to develop maps and surveys to assist my colleagues in improving the results of our research, focused on the catchment area of Rieti basin (Rm) and Velino River, in partnership with ACEA SpA.

Industrial Internship

TCA Spa – Precious Metal Recovery

2022 January - April

I worked as a Laboratory researcher synthesizing Precious Metal (Pt, Pd, Au, Ag) sponges and also analyzed them with different techniques analysis (Cupellation, SEM, ICP)

Curricular Internship

Alma Mater Studiorum, University of Bologna

2021 September- December

I worked as a laboratory assistant where I used several analysis instruments, such as XRD, SEM, EDS, and ICP.