Petros MECAJ



Personal Information

Date of Birth: 16/06/1998

Nationality: Albanian, Greek

Birthplace: Athens, GREECE

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Degree in Agricultural Sciences (Integrated Master), 2021:Department of Natural Resources and Agricultural Engineering (Division of Water Resources), Agricultural University of Athens, Greece. (grade: 8,05/10) (Level in EQF: 7) (23/09/2016 – 13/07/2021).

Thesis: "Hydrochemical Analysis and Concentration Analysis of Microplastics in Surface and Groundwater of Erasinos Basin (Vravrona),



Experience

SE Attica".

04/2022 – 09/2023: Teaching Assistant, Agricultural University of Athens, Greece.

 Support and assistance in courses such as Hydrogeology, Geology-Geomorphology, Quaternary Geology & Soil Mechanics.

11/2021 – 11/2023: Research Assistant, Agricultural University of Athens, Greece.

 Participation in numerous research projects concerning Environment, Microplastics, Ecology, Hydrogeology, Modelling and Agriculture.

11/2021 – 02/2022: Enumerator, 2021 Population and Housing Census, Hellenic Statistical Authority, Greece.

- Conducting door-to-door interviews.
- Collection and submission of census data.

04/2021 – 06/2021: Internship, Laboratory of Mineralogy and Geology, Agricultural University of Athens, Greece.

- Performed hydrochemical analysis (i.e. cation anion titration analysis, heavy & trace metals analysis)
- Performed soil analysis (i.e. physiochemical parameters analysis, granulometric analysis, Bouyoucos method).
- \circ Performed microplastics analysis (i.e. presorting & characterization via optical microscopy, identification using μ -Raman spectroscopy).
- 08/2020 09/2020: Internship, Laboratory of Mineralogy and Geology, Agricultural University of Athens, Greece.
 - o Familiarized with key analytical instruments and lab techniques.
 - o Conducted fieldwork (i.e. plotting sampling area & setting up sampling, collecting water & soil samples, measuring water physiochemical parameters on-site).



Skills

- Raman Spectrometer, Renishaw in Via Raman microscope
- ICP-OES Inductively Coupled Plasma Emission Spectrometer, PerkinElmer Optima 8000
- Atomic Absorption Spectrometer AAS GBC/908AAS, with graphite furnace extension
- Photoelectric flame photometer INTECH/420
- Spectrophotometer HACH DR/3000



Computer Skills

- MS Office
- ESRI ArcGIS/QGIS
- SPSS Statistics
- Hydrogeological Modelling MODFLOW