Andrianna Maria Gouziou

Personal Information

Name: Andrianna Maria Gouziou

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Address: Patriarchou Ioakeim 12B

Date of Birth: 13/02/2001

Place of Birth: Athens

Driving License: Yes

Nationality: Greek

Marital Status: Single

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Education

Diploma in Agriculture, Department of Natural Resources Management and Agricultural Engineering, Agricultural University of Athens (2019–2024).   **2019 – 2024**

- Undergraduate Thesis Title: *"Comparative study of the effect of formulated and non-formulated inoculants of an endophytic strain of the fungus Fusarium solani on tomato plant growth under water stress conditions."*
- Undergraduate Thesis Grade: 10/10 (Excellent)
- Degree Grade: 8.02/10 (Very Good)
- Supervisor: Konstantinos Oichaliotis

PhD Candidate, Department of Chemical and Environmental Engineering (2025–present).   **2025-**

- PhD Topic: *"Catalytic ammonia decomposition for hydrogen production using nanostructured catalysts."*
- Supervisor: Ioannis Yentekakis

Professional Experience

- Laboratory of Soil Science and Agricultural Chemistry, Agricultural University of Athens (2023–2024): Microbiological analyses, microscopy, preparation of solutions and culture media, laboratory organization and cleaning, instrumental chemical analysis, chromatography techniques, spectrophotometry, lyophilization.   **2023-2024**
- Laboratory of Physicochemistry, Technical University of Crete (2025–present): Catalyst synthesis, catalyst characterization methods, kinetic experiments.   **2025-**
  Participation as a researcher in the project: "Innovative design of stable, efficient and in situ regenerable nanocatalysts for CO2 recycling by CO2 methanation and CO2 reforming by methane processes."

Technical Skills

- Water, air and gaseous emissions quality analysis using
    1. Gas chromatography (GC).
    2. Spectrophotometer.

- Operation of lyophilizer.
- Water and wastewater quality analysis.
- Operation of instruments for determination of: (a) physicochemical parameters, (b) organic load (BOD, COD, TOC), (c) biological load (E. coli), toxicity and phytotoxicity tests.
- Catalyst characterization methods (TPR, XRD).
- Catalyst kinetic experiments (light-off, stability).

Languages

- English: Good knowledge (B2 level)
- Greek: Native language

Computer Skills

- Very good command of Microsoft Office (Word, Excel, PowerPoint) and internet use.
- Basic knowledge of GIS and AutoCAD.
- Good command of OriginPro.
- Programming language: R.

Personal Skills

- critical thinking, flexibility, organizational skills, effective time management, teamwork, willingness to learn and take responsibility.