

Marianna Basoulou

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www.linkedin.com/in/marianna-basoulou-8b63321a1 📍 **Address:** Athens , Greece (Home)

EDUCATION & TRAINING

PhD Candidate

Aristotle University of Thessaloniki, School of Mechanical Engineering [01/07/2026 - Current]

Country: Greece

Field(s) of study: Optimization of Green Hydrogen and Battery Storage Systems for the Utilization of Curtailed Renewable Energy under Atmospheric and Operational Uncertainty:

MSc in Energy Systems

Heriot-Watt University of Scotland in collaboration with the University of West Attica [31/01/2020 - 31/01/2022]

Field(s) of study: Renewable Resources Development Applications : | **Thesis:** Comparative Measurements of Air pollution Using Low-Cost Sensors in the Center of Athens and the Mt. Hymettus Aesthetic Forest

Forestry and Management of Environment and Natural Recourses (Integrated Master)

Democritus University of Thrace [2013 - 2019]

City: Orestiada | **Country:** Greece

Level in EQF: 6

Certified training in Energy Saving and Natural Air conditioning Systems

Secretariat for Future Studies of the Free University of Berlin [06/2019 - 08/2019]

City: Berlin | **Country:** Germany

Certified participation in the Training Program "Climate Impact on Health"

National & Kapodistrian University of Athens / Research University Institute of Mental Health [05/2021 - 09/2021]

Country: Greece

Certified participation in the training program "Modern applications of Geographical Information Systems (GIS) using open software and open data"

Democritus University of Thrace [12/2021 - 04/2022]

Country: Greece

Certified participation in the educational program "Environmental Impact Assessment"

National Technical University of Athens [02/2024 - 04/2024]

Country: Greece

WORK EXPERIENCE

European Program EUKI- "YESClima: Young people working for climate protection" - Greece, Athens
Environmental scientist

[07/2019 - 02/2020]

- Energy inspection of the school building
- Preparation of technical studies for the energy upgrade of school buildings
- Educational programs to inform and raise awareness of students and teaching staff on energy saving

Philodassiki Enossi Athinon - Greece, Athens

Forester

[02/2020 - 06/2020]

Participation in the program "Experiential Training Actions for Teachers in the Forest" under the implementation of the Philodassiki Enossi Athinon and the Institute of Mediterranean and Forest Ecosystems founded by the Green Fund of Greece.

Philodassiki Enossi Athinon - Greece, Athens

Forester - Environmentalist

[04/2021 - 09/2023]

- Participation as Program Coordinator in the "LIFE Urban Greening Plans" program which has received funding from the LIFE Program of the European Union for the implementation of the EU strategy for Biodiversity 2030. The aim of the program is to design innovative mechanisms for the implementation, strengthening, and management of green infrastructure in periurban areas.
- Provision of Forestry Technical Services in the Mt. Hymettus Aesthetic Forest

Public Vocational Training Institute - Greece, Athens

Instructor at a Public Vocational Training Institute in "Forest Protection Technician"

[10/2022 - 02/2023]

YLI "Environmental Projects" - Greece, Athens

Forester

[10/2023 - Current]

National Observatory of Athens - Greece, Athens

Project manager

[01/10/2025 - Current]

PUBLICATIONS

Green Hydrogen Production to Mitigate Renewable Energy Curtailment in the Greek Grid

Basoulou, M.; Kosmopoulos, P.G. Green Hydrogen Production to Mitigate Renewable Energy Curtailment in the Greek Grid. *Energies* 2026, 19, 2321.

[2023]

Comparative Measurements of Air Pollution Using Low-Cost Sensors in the Center of Athens and the Mt. Hymettus Aesthetic Forest

Basoulou, M.; Spyropoulos, G. Comparative Measurements of Air Pollution Using Low-Cost Sensors in the Center of Athens and the Mt. Hymettus Aesthetic Forest. *Environ. Sci. Proc.* 2023, 26, 79.

[2023]

Green Corridors, to mitigate Climate Change

Part of EUROPARC Federation's annual magazine "Protected Areas In-Sight"