



MARIA SOTIROPOULOU

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● ABOUT ME

Environmental Scientist
MSc Environmental Engineering
PhD Physics

● WORK EXPERIENCE

01/03/2024 – CURRENT Greece
ASSOCIATE RESEARCHER NATIONAL OBSERVATORY OF ATHENS (NOA)

01/02/2020 – 15/02/2022 Greece
POSTDOCTORAL RESEARCHER NATIONAL CENTER FOR SCIENTIFIC RESEARCH 'DEMOKRITOS'

23/06/2021 – 19/12/2021 Greece
RESEARCH ASSOCIATE UNIVERSITY OF THE AEGEAN

01/10/2018 – 31/05/2019 Greece
RESEARCH ASSOCIATE NATIONAL CENTER FOR SCIENTIFIC RESEARCH 'DEMOKRITOS'

01/09/2016 – 31/08/2018 Switzerland
POSTDOCTORAL FELLOW RESEARCHER CERN – EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

01/11/2014 – 30/06/2016 Athens, Greece
RESEARCH ASSOCIATE NATIONAL CENTER FOR SCIENTIFIC RESEARCH 'DEMOKRITOS'

01/10/2010 – 31/10/2014 Athens, Greece
DOCTORAL FELLOW RESEARCHER NATIONAL CENTER FOR SCIENTIFIC RESEARCH 'DEMOKRITOS' - ARISTOTLE UNIVERSITY OF THESSALONIKI

01/07/2008 – 31/08/2008 Greece
INTERNSHIP BENAKI PHYTOPATHOLOGICAL INSTITUTE

● EDUCATION AND TRAINING

01/03/2012 – 02/11/2017 Greece
PHD - PHYSICS Aristotle University of Thessaloniki, Physics Department

Field of study Environmental Radioactivity, Radioecology, Physics | **Final grade** Excellent | **Level in EQF** EQF level 8 |

Thesis Dosimetry models in the environment: Adaptation and application of ionising radiation dosimetry models in the Mediterranean terrestrial ecosystem (/ Conducted at National Centre for Scientific Research "Demokritos")

01/10/2007 – 31/10/2008

MSC - ENVIRONMENTAL AND ECOLOGICAL ENGINEERING University of the Aegean, Department of Environmental Sciences

Field of study Environmental and Ecological Engineering | **Level in EQF** EQF level 7 |

Thesis Modeling and measurements of radon's (²²²Rn) diffusion rate in University's building

01/09/2002 – 30/09/2008

BSC - ENVIRONMENTAL SCIENCES University of the Aegean, Department of Environmental Sciences

Field of study Environmental Sciences | **Level in EQF** EQF level 6 |

Thesis Energy and Sustainability: The Kyoto Protocol in Developing Countries

01/09/2004 – 31/05/2005

ERASMUS EXCHANGE - ENVIRONMENTAL SCIENCES Universitat Autònoma de Barcelona (UAB), Department of Environmental Sciences

Field of study Circular Economy, Renewable Energy Sources | **Level in EQF** EQF level 6

TEACHING EXPERIENCE

01/2019 – 04/2019

Tutor

Primary education - 45 academic hours.

01/2010 – 05/2010

Lecturer

Post-secondary education - 47 academic hours.

06/2009 – 08/2009

Tutor

Primary education - 240 academic hours.

LANGUAGE SKILLS

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
FRENCH	A2	A2	A2	A2	A2
SPANISH	A2	A2	A1	A1	A1

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

SKILLS AND COMPETENCIES

Digital Skills

Microsoft Office
ORIGIN – OriginLab graphing and data analysis software
Statistical Package for the Social Sciences (IBM SPSS Editor)
Geographical Information Systems (GIS)
LaTeX (basic)
SQL – Basic

Technical Skills

- Environmental analysis and risk assessment and radiological risk analysis and tools

- Nuclear engineering software
- Gamma spectroscopy
- Laboratory techniques and analyses
- Monitoring methods and field techniques

Organisational and administrative skills

Sampling design, campaigns design, monitoring activities
Communication with the authorities (and ethics issues)
Project budget administration
Laboratory logistics
Administrative duties
Finance administration
Collaboration with international scientists

CERTIFICATIONS

05/2010 – 05/2010

Certification as Supervisor and Internal Supervisor (ISO14001 / EMAS)

Certification as Supervisor and Internal Supervisor (2010) for Environmental Management Systems
- International Standard ISO 14001:2004 and European Regulation EMAS (761/2001)
- Certificate ID: 1001181 (18/05/2010, Athens, Greece)
- Certification Authority: TÜV AUSTRIA HELLAS

REVIEWING ACTIVITIES

Reviewer in peer-reviewed journals

Journal of Water Science and Technology, IWA (2024-present)
Journal of Environmental Chemical Engineering, Elsevier (2021-present)
Radiation and Environmental Biophysics, Springer (2021-present)
Marine Pollution Bulletin, Elsevier (2020-present)
Ecological Indicators, Elsevier (2018-present)
Journal of Environmental and Occupational Science, Scopemed (2018-present)

PUBLICATIONS

Publications in peer-reviewed journals

Co-authored >30 papers published in refereed journals. Total number of citations: ~ 160. h-index ~ 7 (source Scopus).
Publications available in: <https://orcid.org/0000-0001-6682-3323> and on request.

RESEARCH INTERESTS

Research Interests

- Environmental impact assessment and risk analysis
- Microplastic fate and transfer in the environment
- Radionuclide and chemicals behavior in the environment
- Dose rate calculations for non-human organisms
- Radiological environmental risk assessment
- Environmental radioactivity and radioecology
- Characterization of radioactive waste