



Maria Kolovou

Date of birth: 04/04/1995 | **Nationality:** Greek | **Gender:** Female | (+30) 6986714176 |
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EDUCATION AND TRAINING

07/04/2021 – CURRENT – Larissa, Greece

PH.D. STUDENT – Department of Environmental Sciences, University of Thessaly

Field(s) of study

- Environmental and Agricultural Microbiology

Thesis: Toxicity of pesticides on soil microbes: Ammonia-oxidizing microorganisms as new bioindicators

01/10/2018 – 30/10/2020 – Larissa, Greece

M.SC. TOXICOLOGY – Department of Biochemistry and Biotechnology, University of Thessaly

Field(s) of study

- Environmental Microbiology and Biotechnology

Thesis: Characterization of pesticide-degrading microorganisms

8,38

01/10/2013 – 19/07/2018 – University Campus Ioannina, Ioannina, Greece

B.SC. CHEMISTRY – Department of Chemistry, University of Ioannina

Field(s) of study

- Environmental Chemistry

Thesis: Isolation and characterization of bacteria degrading PAHs from soil.

6,82

RESEARCH EXPERIENCE

Research Interests and Activities

- Environmental fate and behaviour of agrochemicals with focus on microbial degradation and enhanced biodegradation
- Effects of agrochemicals and agricultural practices on the function and structure of soil microbial communities
- In vitro and in situ assessment of soil representative nitrifying strains as potential microbial indicators for regulatory use

WORK EXPERIENCE

01/11/2020 – 09/04/2021 – Athens, Greece

CHEMIST – GERASIMOPOULOS PHARMACY

01/03/2018 – 30/04/2018 – Ioannina, Greece

BIOCHEMIST – UNIVERSITY HOSPITAL OF IOANNINA

PUBLICATIONS

Christina V. Papazlatani, Maria Kolovou, Elisabeth E. Gkounou, Konstantinos Azis, Zografina Mavriou, Stefanos Testembasis, George S. Karaoglanidis, Spyridon Ntougias and Dimitrios G. Karpouzas (2022).

Environmental Pollution 301, October, 119030

<https://doi.org/10.1016/j.envpol.2022.119030> – 2022

"Isolation, characterization and industrial application of a *Cladosporium herbatum* fungal strain able to degrade the fungicide imazalil"

Maria Kolovou, Evangelia S. Papadopoulou, Eleftheria Bachtsevani, Graeme W. Nicol, Dimitrios G. Karpouzas (2021).

2021

Toxicity of pesticides on soil microbes: Ammonia-oxidizing microorganisms as new bioindicators for regulatory use. 9th Conference of Mikrobiokosmos, 16-18 December 2021, Athens, Greece (e-poster)

Papazlatani C, Kolovou M, Gkounou E, Azis K, Mavriou Z, Testembasis S, Karaoglanidis G, Karas P, Tsetsekos G, Katsoula A, Ntougias S, Karpouzas D (2021).

2021

Isolation, characterization and application of a *Mycosphaerella tassiana* fungal isolate for the removal of imazalil from agro-industrial effluents.

9th Conference of Mikrobiokosmos, 16-18 December 2021, Athens, Greece (e-poster)

Christina V. Papazlatani, Maria Kolovou, Panagiotis Karas, and Dimitrios G Karpouzas (2020).

<https://ecotoxicomic20.sciencesconf.org/> – 2020

"Isolation and characterization of a *Mycosphaerella tassiana* isolate able to rapidly degrade the recalcitrant fungicide Imazalil."

2nd International Conference on Microbial Ecotoxicology, 06-09 October 2020, Montpellier, France (oral poster communication).

TEACHING EXPERIENCE

20/04/2022 – CURRENT

Teaching Assistant

Department of Environmental Sciences, University of Thessaly, Larissa, Greece

- Analytical and Environmental Chemistry
- Environmental Geology

05/05/2021 – 31/08/2021

Teaching Assistant

Department of Environmental Sciences, University of Thessaly, Larissa, Greece

- Analytical and Environmental Chemistry
- Environmental Geology
- Technical Materials and the Environment

LANGUAGE SKILLS

Mother tongue(s): **GREEK**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	B1	B1	B1	B1	B1