

CURRICULUM VITAE

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STUDIES

12/07/18 – ongoing PhD in biodegradation of anthelmintic drugs in soils, University of Thessaly,
Department of Biochemistry & Biotechnology.

20/10/15 – 24/07/18 MSc in Applications of Molecular Biology- Genetics, University of Thessaly,
Department of Biotechnology & Biotechnology.

Title of Master's thesis: «*Isolation of bacteria capable of degrading the organophosphorus insecticide fosthiazate*»

23/09/09 – 02/10/15 BSc in Biochemistry & Biotechnology, University of Thessaly, Department of
Biotechnology & Biotechnology.

Title of Bachelor's thesis: «*Study of the dissipation of soil insecticides Fosthiazate and Fipronil in soils from potato cultivation areas in Greece*»

WORK EXPERIENCE

06/2014 – 09/2014 Municipal Enterprise of Water Supply and Sewerage of Volos. Practical training.

Professional / Technical Skills acquired

- Chemical and microbial analyzes of the water sources of water supply and drinking water in the water supply network according to ELOT EN ISO / IEC 17025: 2005 of the General Laboratory of the State Laboratory

RESEARCH INTERESTS

- Isolation and characterization of pesticide-degrading microorganisms
- Microbial metabolism of pesticides in soil
- Environmental fate and behaviour of pesticides in laboratory and field studies

PERSONAL SKILLS AND COMPETENCES

Technical Skills

- Very Good knowledge of microbiological techniques: preparation of nutrients, isolation of bacteria from environmental samples, cultivation and maintenance of bacterial cultures
- Very Good knowledge of instrumental analysis: HPLC-UV, HPLC-PDA, spectrophotometry, classical analytical methods
- Very Good knowledge of molecular biology: DNA / RNA extraction from environmental samples and bacteria, PCR, cloning, plasmid extraction, DGGE molecular imaging
- Basic knowledge of data processing programs (SigmaPlot®, Rstudio®) and phylogenetic analyzes (Seaview®)
- Excellent use of MS Office's Word, Excel, Powerpoint

LANGUAGES

Greek: Mother tongue

English: Fluent

CONFERENCES/SEMINARS ATTENDANCE & PRESENTATIONS

15-18 November 2018 Hellenic Bioinformatics Conference 2018, Workshop on RNA-seq and ChIP Seq data analysis
Place Thessalonika concert hall, Thessaloniki

18-20 April 2019 8th Conference of the Hellenic Scientific Society of Mikrobiokosmos, Workshop on Analysis of Microbial NGS data
Place FORTH/ICE-HT Conference Centre, Patra

PRESENTATIONS ON CONFERENCES

1. Lagos K. E.¹, Karas A.P.¹, Mouzourelis C.¹, Sotiraki S.², Karpouzas G.D.¹: "The role of microorganisms in the degradation and transformation of the anthelmintic veterinary drug albendazole".
8th Conference of the Hellenic Scientific Society of Mikrobiokosmos (Poster)

PUBLICATIONS IN PEER REVIEWED

1. *“The dissipation of fipronil, chlorpyrifos, fosthiazate and ethoprosfos in soils from potato monoculture areas: first evidence for the enhanced biodegradation of fosthiazate”*, Evangelia S Papadopoulou, Stathis Lagos, Flora Spentza, Evangelos Vidiadakis, Panagiotis A Karas, Tassos Klitsinaris and Dimitrios G Karpouzas, *Pest Management Science* 72: 1040–1050, 2016, [DOI 10.1002/ps.4092](https://doi.org/10.1002/ps.4092)
2. *“Isolation and characterization of soil bacteria able to rapidly degrade the nematicide fosthiazate”*, Stathis Lagos, Chiara Perruchon, Athanasia Katsoula, Dimitrios G. Karpouzas, *Letters in Applied Microbiology* Feb;68(2):149-155, 2019, [DOI 10.1111/lam.13098](https://doi.org/10.1111/lam.13098)