

# 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

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

## PUBLICATIONS IN PEER REVIEWED

1. *“The dissipation of fipronil, chlorpyrifos, fosthiazate and ethopofos 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 Klitsiniris 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, submitted to Letters in Applied Microbiology (Accepted)