

CURRICULUM VITAE

PERSONAL DATA

NAME: EVANGELIA

SURNAME: PAPADOPOULOU

DATE OF BIRTH: 31st JULY 1980

PLACE OF BIRTH: DRAMA, GREECE

MARITAL STATUS: MARRIED WITH ONE CHILD

NATIONALITY: GREEK

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EDUCATION

01/10/1999 - 30/06/2004: Bachelor in Agriculture, School of Agriculture, Aristotle University of Thessaloniki, Greece. Area of Expertise: Plant Protection.

01/10/2004 - 22/12/2006: Master of Science in Plant Protection (Rating: 9.38/10), School of Agriculture, Aristotle University of Thessaloniki, Greece. Thesis entitled: *Selection of resistant to insecticides predatory mite populations' and monitoring of their growth on treated with insecticides plants under laboratory conditions*. Supervisor: Professor Dimitrios Koveos.

01/09/2009 – 13/12/2013: Doctor of Philosophy (PhD) in Pesticide Science-Soil Microbiology, School of Agriculture, Aristotle University of Thessaloniki, Greece. Thesis entitled: *Study of the behavior of synthetic and biological pesticides in soil and their impact on the microbial community*. Supervisor: Professor Urania Menkissoglu-Spiroudi.

RESEARCH EXPERIENCE

01/09/2018- Today: Post-Doctoral Researcher-Principal Investigator in the frame of the project “NITRIC: Looking up for Novel Nitrification Inhibitors: New Stories with old compounds” which is funded by the General Secretariat for Research and Technology and the Hellenic Foundation for Research and Innovation and is hosted by Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

05/06/2018-31/07/2018: Post-Doctoral Researcher in the frame of the project “LOVE TO HATE: Pesticides – Felicity or curse for the soil microbes”, NATIONAL SHAREHOLDING 2016-2017, which was funded by the General Secretariat for Research and Technology and was hosted by Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

01/12/2017-27/04/2018: Post-Doctoral Researcher – Stavros Niarchos Foundation Fellow in the frame of the project “Study of the **MI**crobial **Symbiome** of plants and insects as a **S**ource **of** Novel pesticide catalytic enzymes (MISSiON)”, Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

04/04/2017-13/11/2017: Post-Doctoral Researcher – State Scholarships Foundation Fellow in the frame of the project “*In vitro* and *in situ*, assessment of the antioxidant ethoxyquin and its oxidative derivatives as nitrification inhibitors”, Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki.

31/03/2016-21/04/2016: Short scientific mission to Ampère Laboratory of the École Centrale de Lyon within the frame of the Hellenic Initiative Mikrobiokosmos fellowship, 2015. Fellowship Project: *In vitro* testing of the inhibitory effect of EQ and/or its oxidation derivatives QI and EQNL on nitrification at physiological and biochemical level.

21/03/2016-15/05/2016: Research Associate in the frame of the project “Study of the adsorption and desorption of the insecticide a-cypermethrin in soil”, Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

01/09/2015–30/09/2015: Research Associate in the frame of the project “Isolation of native arbuscular mycorrhizal fungi and development of mycorrhizal inocula for inoculation of the rizosphere and production of soil amendment products”, Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

01/09/2014– 31/07/2015: PostDoctoral fellow in the frame of the project "BIOREMEDIAT - OMICS: *The microbial detoxification of pesticides from the fruit-packaging industry: using omics in bioremediation* ", Action " EXCELLENCE II ", Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

01/11/13-31/3/14: Visiting Researcher in the frame of the project “BIOBEDS: Minimizing point source contamination of natural water resources of Thessaly by the wastewaters of the fruit packaging plants”, Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

03/06/13-30/09/13 and 02/04/14 – 31/08/14: Visiting Researcher in the frame of the IAPP Marie Curie Project “LOVE TO HATE” entitled: *Pesticides – Felicity or curse for the soil microbes*. AEIFORIA, Spin-off Company of Università Cattolica del Sacro Cuore, Piacenza, Italy.

01/06/11– 30/12/11 and 31/08/12–30/01/13: Research Fellow in the frame of the project “*Evaluation of Laminarine in a IPM system, for the control of TSWV and Phytophthora infestations in tobacco, variety “Basma”, in Greece*”, Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki.

01/11/10-31/12/12: Research Fellow in the frame of the project SEE.ERA-NETplus, “Development and implementation of innovative tools to estimate the ecotoxicological impact of low dose pesticide application in agriculture on soil functional microbial diversity – ECOFUN-MICROBIODIV”, funded by European Commission and the German Aerospace Centre, DLR, Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

22/07/2010 – 30/08/2010: Research Fellow in the frame of the project “Extraction of tobacco plants flowers for analysis via GC-MS”, Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki.

ACADEMIC EXPERIENCE

02/2017- 09/2017: Contract Lecturer in “Waste treatment technologies”. Department of Biochemistry and Biotechnology, School of Health Sciences, University of Thessaly.

LANGUAGES

- Greek: Mother tongue,
- English: Proficient
- Spanish: Basic

AWARDS AND ACHIEVEMENTS

- Stavros Niarchos Foundation Scholarship for post-doctoral research at the University of Thessaly (2017-2020).
- Postdoc-Research Scholarship of the State Scholarships Foundation (IKY) (1st Cycle, ESPA 2014-2020).
- Scholarship Award of Excellence of the Research Committee of Aristotle University of Thessaloniki for postdoctoral researchers, 2015 (nominal distinction).
- «K. DRAINAS» Fellowship of the Hellenic Initiative Mikrobiokosmos, 2015.
- Scholarship Award of Excellence of the Research Committee of Aristotle University of Thessaloniki for Ph.D. students (01/01/11 – 30/06/11).
- Regular reviewer of the international scientific journals *Science of the Total Environment*, *Frontiers in Microbiology*, *Biodegradation*, *PLOS One*.

REFEREED PUBLICATIONS

1. Vasileiadis S., Puglisi E., **Papadopoulou E.S.**, Pertile G., Suciu N., Papolla, A., Tourna M., Karas P.A., Papadimitriou F., Kasiotakis A., Ipsilanti N., Ferrarini A., Sulowic S., Fornasier F., Nicol G.W., Trevisan M., Karpouzas D.G., 2018. Blame it on the metabolite: 3,5-dichloraniline rather than the parent compound is responsible for decreasing diversity and function of soil microorganisms. *Applied and Environmental Microbiology*, doi:10.1128/AEM.01536-18.
2. Karas P.A., Baguelin C., Pertile G., Papadopoulou E.S., Nikolaki S., Storck V., Ferrari F., Trevisan M., Ferrarini A., Fornasier F., Vasileiadis S., Tsiamis G., Martin-Laurent F., Karpouzas D.G., 2018. Assessment of the impact of three pesticides on microbial dynamics and functions in a lab-to-field experimental approach. *Science of the Total Environment*, 637–638: 636–646.
3. Storck V., Nikolaki S., Perruchon C., Chabanis C., Sacchi A., Pertile G., Baguelin C., Karas P. A., Spor A., Devers-Lamrani M., **Papadopoulou E. S.**, Sibourg O., Malandain C., Trevisan M., Ferrari F., Karpouzas D.G., Tsiamis G., Martin-Laurent F., 2018. Lab to field assessment of the ecotoxicological impact of chlorpyrifos, isoproturon, or tebuconazole on

- the diversity and composition of the soil bacterial community. *Frontiers in Microbiology*, doi: 10.3389/fmicb.2018.01412.
4. **Papadopoulou E.S.**, Perruchon C., Vasileiadis S., Rousidou C., Tanou G., Samiotaki M., Molassiotis A., Karpouzas D.G., (2018) Metabolic and evolutionary insights in the transformation of diphenylamine by a *Pseudomonas putida* strain unraveled by genomic, proteomic, and transcription analysis. *Frontiers in Microbiology*, doi: 10.3389/fmicb.2018.00676.
 5. **Papadopoulou E.S.**, Genitsaris S., Omirou M., Perruchon C., Stamatopoulou A., Ioannides I., Karpouzas D.G., 2018. Bioaugmentation of thiabendazole-contaminated soils from a waste-water disposal site: Factors driving the efficacy of this strategy and the diversity of the indigenous soil bacterial community. *Environmental Pollution*, 233: 16-25.
 6. Perruchon C., Vasileiadis S., Rousidou C., **Papadopoulou E.S.**, Tanou G., Samiotaki M., Molassiotis A., Papadopoulou K.K., Karpouzas D.G., 2017. Metabolic pathway and cell adaptation mechanisms revealed through genomic, proteomic and transcription analysis of a *Sphingomonas haloaromaticamans* strain degrading *ortho*-phenylphenol *Scientific Reports* 7: 6449, doi:10.1038/s41598-017-06727-6.
 7. Campos M., Karas P., Perruchon C., **Papadopoulou E.S.**, Christou V., Menkissoglou-Spiroudi U., Diez M.C., 2017. Novel insights into the metabolic pathway of iprodione by soil bacteria. *Environ. Sci. Pollut. Res.*, 24: 152-163.
 8. Karas P., Perruchon C., Karanasios E., **Papadopoulou E.**, Manthou E., Sitra S., Ehaliotis C., Karpouzas D. G., 2016. Integrated biodepuration of pesticide-contaminated wastewaters from the fruit-packaging industry: Bioaugmentation, risk assessment and optimized management. *J. Haz. Mat.*, 320:635-644.
 9. **Papadopoulou E.S.**, Karas P.A., Nikolaki S., Storck V., Ferrari F., Trevisan M., Tsiamis G., Martin-Laurent F., Karpouzas D.G., 2016. Dissipation and adsorption of isoproturon, tebuconazole, chlorpyrifos and their main transformation products under laboratory and field conditions. *Sci. Total Environ.*, 69–570: 86–96.
 10. Karas P.A., Makri S., **Papadopoulou E.S.**, Ehaliotis C., Menkissoglou-Spiroudi U., Karpouzas D.G., 2016. The potential of organic substrates based on mushroom substrate and straw to dissipate fungicides contained in effluents from the fruit-packaging industry- Is there a role for *Pleurotus ostreatus*? *Ecotoxicol. Environ. Saf.*, 124:447-454.
 11. **Papadopoulou E.S.**, Tsachidou B., Sułowicz S., Menkissoglu-Spiroudi U., Karpouzas D.G., 2016. Land spreading of wastewaters from the fruit-packaging industry: are there any effects on soil microbes? The case of the antioxidant ethoxyquin and its metabolites. *Applied and Environ. Microb.*, 82:747-755.
 12. Storck V., Lucini L., Mamy L., Ferrari F., **Papadopoulou E.S.**, Nikolaki S., Karas P.A., Servien R., Karpouzas D.G., Trevisan M., Benoit P., Martin-Laurent F., 2016. Identification and characterization of tebuconazole transformation products in soil by combining suspect screening and molecular typology. *Environ. Pollut.*, 208:537-545.

13. **Papadopoulou E.S.**, Lagos S., Spentza F., Vidiadakis E., Karas P.A., Klitsinakis T., Karpouzas D.G., 2015. The dissipation of fipronil, chlorpyrifos, fosthiazate and ethoprophos in soils from potato monoculture areas: first evidence for the enhanced biodegradation of fosthiazate. *Pest Manag. Sci.*, 72: 1040-1050.
14. Karas P., Metsoviti A., Zisis V., Ehaliotis C., Omirou C., **Papadopoulou E.S.**, Menkissoglu-Spiroudi U., Manta S., Komiotis D., Karpouzas D.G., 2015. Dissipation, metabolism and sorption of pesticides used in fruit-packaging plants: Towards an optimized depuration of their pesticide-contaminated agro-industrial effluents. *Sci. Total Environ.* 530-531: 129-139.
15. Perruchon C., Batianis C., Zouborlis S., **Papadopoulou E.**, Ntougias S., Vasileiadis S., Karpouzas D.G., 2015. Isolation of a diphenylamine-degrading bacterium and characterization of its metabolic capacities, bioremediation and bioaugmentation potential. *Environ. Sci. Pollut. Res.*, 23: 4320-4333.
16. Karpouzas D.G., **Papadopoulou E.**, Ipsilantis I., Petric I., Udikovic-Kolic N., Djuric S., Kandeler E., Menkissoglu-Spiroudi U., Martin-Laurent F., 2013. Effects of nicosulfuron on the abundance and diversity of arbuscular mycorrhizal fungi used as indicators of pesticide soil microbial toxicity. *Ecol. Indic.*, 39: 44-53.
17. Rousidou C., **Papadopoulou E.**, Kortsinidou M., Giannakou I.O., Singh B.K., Menkissoglu-Spiroudi U., Karpouzas D.G., 2013. Bio-pesticides: Harmful or harmless to ammonia oxidizing microorganisms? The case of a *Paecilomyces lilacinus*-based nematicide. *Soil Biol. Biochem.*, 67: 98-105.
18. Marinozzi M., Coppola L., Monaci E., Karpouzas D.G., **Papadopoulou E.**, Menkissoglu-Spiroudi U., Vischetti C., 2012. The dissipation of three fungicides in a biobed organic substrate and their impact on the structure and activity of the microbial community. *Environ. Sci. Pollut. Res.*, 20: 2546-2555.
19. **Papadopoulou E.S.**, Karpouzas D.G., Menkissoglu-Spiroudi U., 2011. Extraction parameters significantly influence the quantity and the profile of PLFAs extracted from soil. *Microb. Ecol.*, 62: 704-714.

ABSTRACTS IN CONFERENCE PROCEEDINGS: 29

- Abstracts in International Conference Proceedings: 17

- Abstracts in National Conference Proceedings: 12