CURRICULUM VITAE

NAME	EVANGELIA PAPADOPOULOU
DATE AND PLACE OF BIRTH	31 JULY 1980, Drama, Greece
TELEPHONE	+30-6944632589
ADDRESS	28th Octobriou 15, Filiro, 57010, Thessaloniki
EMAIL	evapapadopoulou@bio.uth.gr

STUDIES

September 2009-December 2013: PhD in Pesticide Science- Soil Microbiology, School of Agriculture, Aristotle University of Thessaloniki. Thesis entitled: "Study of the behavior of synthetic and biological pesticides in soil and their impact on the microbial community".

October 2004 – December 2006: MSc in Plant Protection, School of Agriculture, Aristotle University of Thessaloniki.

October 1999-June 2004: BSc in Agriculture, School of Agriculture, Aristotle University of Thessaloniki.

RESEARCH – WORK EXPERIENCE

31/03/2016-21/04/2016: Visiting postdoctoral researcher at Ampere Laboratory of the Ecole Centrale de Lyon, University of Lyon, France, under the supervision of Prof. Graeme Nicol (Research group of Environmental and Microbial Genomics), within the frame of the Hellenic Initiative Mikrobiokosmos fellowship 2015. Project title: "*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: Postdoctoral researcher in the research program"Study of the adsorption and desorption behavior of the insecticide a-cypermethrin in soil under laboratory conditions", University of Thessaly, Department of Biochemistry – Biotechnology.

01/09/ 2014–31/07/2015: Postdoctoral researcher in the research program EXCELLENCE II"*The microbial detoxification of pesticides from the fruit-packaging industry: using omics in bioremediation* (BIOREMEDIAT-OMICS)", University of Thessaly, Department of Biochemistry – Biotechnology.

02/04/14 –31/08/14: Postdoctoral Fellow, in the research IAPP MARIE CURIE project"*Pesticides – Felicity or curse for the soil microbes(LOVE-TO-HATE)"*,

AEIFORIA Spin off company of Universita Cattolica del Sacro Cuore, Istituto di Chimica Agraria ed Ambientale, Piacenza, Italy.

01/11/13 - 31/3/14: Assistant postdoctoral researcher in the research program "BIOBEDS: *Minimizing point source contamination of natural water resources of Thessaly by the wastewaters of the fruit packaging plants"*, University of Thessaly, Department of Biochemistry – Biotechnology.

03/06/13-30/09/13: Research Fellow, in the research IAPP MARIE CURIE project"*Pesticides – Felicity or curse for the soil microbes(LOVE-TO-HATE)"*, AEIFORIA Spin off company of Universita Cattolica del Sacro Cuore, Istituto di Chimica Agraria ed Ambientale, Piacenza, Italy.

31/08/12 – 30/01/13: Assistant researcher, in the research program "Evaluation of Laminarinein a IPMsystem, for the control of TSWV and *Phytopthora* infestations in tobacco, variety "Basmas", in Greece", Aristotle University of Thessaloniki, School of Agriculture.

01/06/11 – 30/ 12/11: Assistant researcher, in the research program "Evaluation of Laminarine pesticide in a IPM system, for the control of TSWV and *Phytopthora* infestations in tobacco, variety "Basmas", in Greece", Aristotle University of Thessaloniki, School of Agriculture.

01/11/10-31/12/12: Assistant researcher, in the research program 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", University of Thessaly, Department of Biochemistry – Biotechnology.

22/07/2010 – 30/08/2010: Assistant researcher, in the research program "Extraction of tobacco plants flowers for analysis by gas chromatography mass spectrometry(GC-MS)", Aristotle University of Thessaloniki, School of Agriculture.

01/10/09 – 15/01/13: Teaching assistant in the laboratory courses of "Pesticides II" (Prof. Urania Menkissoglu-Spiroudi), Aristotle University of Thessaloniki, School of Agriculture.

03/11/07 – 02/12/08: Contract Agronomist inthe Center for the Control and Certification of Propagative Material, Ministry of Agriculture, Serres, Greece.

20/11/06 – 19/07/07: Contract Agronomist in the Hellenic Organization of Agricultural Insurances, Ministry of Agriculture, Thessaloniki, Greece.

RESEARCH INTERESTS

- Environmental fate and behavior of pesticides.
- Effects of pesticides and agro-industrial effluents on the structure and function of soil microbial communities.
- Enhanced microbial degradation of pesticides.
- Detoxification of agro-industrial wastewaters with the use of bacteria.
- Isolation and identification of pesticide degrading microorganisms – Study of associated gene/enzyme systems.
- Microbial metabolism of pesticides in soil.

LANGUAGES

Greek: Mother tongue **English:** Fluent, **Spanish:** Good

REFEREED PUBLICATIONS: (*5-year impact factors are given*)

1. Campos M., Karas P., **Papadopoulou E.S.,** Perruchon C., Christou V., Menkissoglou-Spiroudi U., Diez M.C., Karpouzas D.G., (2016) Novel insights into the metabolic pathway of iprodione by soil bacteria. *Environmental Science Pollution Research* (*IF: 2.760*) submitted

2. Karas P., **Papadopoulou E.S,** Perruchon C., Sitra., S., Manthou E., Ehaliotis C., Karpouzas D.G., (2016) Can biobeds be used for the depuration of wastewaters from the fruit packaging industry? Full-scale evaluation, risk assessment and post-handling approaches for spent biobed substrate. *Journal of Hazardous Materials* (*IF: 4.836*) major revision

3. **Evangelia S.Papadopoulou**, Panagiotis A.Karas, Sofia Nikolaki, VeronikaStorck , Federico Ferrari, Marco Trevisan , George Tsiamis, Fabrice Martin-Laurent, Dimitrios G Karpouzas (2016). Dissipation and adsorption of isoproturon, tebuconazole, chlorpyrifos and their main transformation products under laboratory and field conditions. *Science of the Total Environment* 569–570: 86–96 (*IF: 4.099*).

4. Panagiotis A. Karas, SotirinaMakri, **Evangelia S. Papadopoulou**, Constantinos Ehaliotis, Urania Menkissoglou-Spiroudi, Dimitrios G. Karpouzas (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*? *Ecotoxicology and Environmental Safety*124:447-454 (*IF: 2.878*).

5. **Evangelia S. Papadopoulou**, Bella Tsachidou, Sławomir Sułowicz, Urania Menkissoglu-Spiroudi, Dimitrios G. Karpouzas (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 Environmental Microbiology* 82:747-755 (*IF: 4.359*).

6. Veronika Storck, Luigi Lucini, Laure Mamy, Federico Ferrari, **Evangelia S. Papadopoulou**, Sofia Nikolaki, Panagiotis A. Karas, Remi Servien, Dimitrios G.Karpouzas, Marco Trevisan, Pierre Benoit, Fabrice Martin-Laurent (2016). New approach to identify and categorize soil pesticide metabolites combining suspect screening metabolomics with molecular typology: the example of tebuconazole.*Environmental Pollution* 208: 537-545(*IF: 4.755*).

7. **Papadopoulou E.S,** Lagos S., Spentza F., Vidiadakis E., Karas P.A, Klitsinaris T., Karpouzas D.G. (2016) The dissipation of fipronil, chlorpyrifos, fosthiazate and ethoprophos in soils from potato monoculture areas: first evidence for the development of enhanced biodegradation of fosthiazate. *Pest Management Science* 72(5): 1040-1050 (*IF: 2.811*)

8. Karas, P., Metsoviti, A., Zisis, V., Ehaliotis,C., Omirou, C., **Papadopoulou, E.S.,** Menkissoglou-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. *Science of the Total Environment* 530-531: 129-139 (*IF: 3.906*).

9. Perruchon C., Zouborlis S., Batianis C., **Papadopoulou E. S.,** Ntougias S., Vasileiadis S., Karpouzas D.G., (2015) Isolation of a diphenylamine-degrading bacterium and characterization of its metabolic capacities, bioremediation, and bioaugmentation potential. *Environmental Science and Pollution Research.* 22: 19485-19496 (*IF: 2.951*).

10. 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. *Ecological Indicators* 39: 44-53 (*IF: 3.491*).

11. Rousidou C., **Papadopoulou E.,** Kortsinidou M., Giannakou I.O., Singh B.K., Menkissoglu-Spiroudi, U., and Karpouzas D.G., (2013) Bio-pesticides: Harmful or harmless to ammonia oxidizing microorganisms? The case of a *Paecilomyces lilacinus*-based nematicide. *Soil Biology & Biochemistry* 67:98-105 *(IF: 4.038).*
12. 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. *Environmental Science and Pollution Research* 20:2546-2555 (*I.F: 2.849).*
13. **Papadopoulou E.S.,** Karpouzas D.G., Menkissoglu-Spiroudi U., (2011) Extraction parameters significantly influence and the quantity and the profile of PLFAs extracted from soil. *Microbial Ecology* 62: 704-714 *(I.F. 3.677*).

ABSTRACTS IN CONFERENCE PROCEEDINGS

1. Perruchon C., **Papadopoulou E.,** Rousidou K., Vasileiadis S., Tanou G., Molassiotis A., Amoutzias G., Karpouzas D.G. (2015)Isolation and proteogenomic analysis of a *Sphingomonas haloaromaticamans* strain able to degrade the fungicide *ortho*-phenylphenol used in the fruit-packaging industry. 13th Symposium on Bacterial Genetics and Ecology, 14-18 June, 2015, Milan, Italy (poster).
2. **Evangelia S. Papadopoulou**, Panagiotis A. Karas, Sofia Nikolaki, VeronikaStorck, Federico Ferrari, Marco Trevisan, Fabrice Martin-Laurent, Dimitrios G. Karpouzas (2015). A tiered-based approach to study the dissipation and adsorption of isoproturon, tebuconazole, and chlorpyrifos in soil.XVSymposium in PesticideScience, 2-4 September 2015, Piacenza, Italy(poster).
3. Pertile G, Baguelin C, Ferrarini A., Fornasier F., Karas P., **Papadopoulou**

E.S.,Nikolaki S., Storck V., Ferrari F., Trevisan M., Tsiamis G., Sibourg O., Malandain C., Martin-Laurent F., Karpouzas D.G. (2015). Assessment of the impact of isoproturon, chlorpyrifos and tebuconazole on soil microbial functions using a lab-to-field tiered approach. XV Symposium in Pesticide Chemistry, 2-4 September 2015, Piacenza, Italy (poster).

4. Storck V., Lucini L., Ferrari F., **Papadopoulou E.S.,**Nikolaki S., Karas P.A., Karpouzas D.G Trevisan M., Martin-Laurent F., (2015). Evidence for the interest of suspect screening metabolomics to detect and identify known and unknown pesticide metabolites formed in agricultural soils. XV Symposium in Pesticide Chemistry, 2-4 September 2015, Piacenza, Italy (poster).

5. 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. (2015). New approach to identify and categorize pesticide metabolites in soil combining suspect screening metabolomics with in silico molecular typology. Proceedings of the 5th International Conference on Environmental Pollution and Remediation, July 15-17, 2015, Barcelona, Spain (poster).
6. **PapadopoulouE.S.,**Menkisoglu-SpiroudiU.,KarpouzasD.G. (2015). The impact of ethoxyquin and its metabolites on the function of ammonia oxidizing bacteria and archaea. 6thSymposium of the Hellenic Society ofMikrobiokosmos, Athens, 03-05 April, 2015(poster).

7. Perruchon C., Rousidou K., **Papadopoulou E.S,**Batianis C., Zouborlis S., Vasiliadis S., Tanou G., Amoutzias G., Karpouzas D. G. (2015). Isolation and proteogenomic characterization of a diphenylamine-degrading *Pseudomonas putida* bacterium.6thSymposium of the Hellenic Society ofMikrobiokosmos, Athens, 03-05 April, 2015(poster).

8. Perruchon C., **Papadopoulou E.S.,**Rousidou K., Vasiliadis S., Tanou G., Amoutzias G., Karpouzas D.G. (2015). A proteogenomic analysis of a *Sphingomonashaloaromaticamans* strain able to degrade the fungicide *ortho*-phenylphenol used in fruit-packaging industry. 6thSymposium of the Hellenic Society ofMikrobiokosmos, Athens, 03-05 April, 2015(poster).

9. C. Perruchon, K. Rousidou, S. Vasileiadis, G. Amoutzias, **E. Papadopoulou,** G. Tanou, A. Molassiotis, D. G. Karpouzas(2014). Isolation and characterization of bacteria able to degrade pesticides used in the fruit-packaging industry. The First Global Soil Biodiversity Conference, 2-5 December 2014, Dijon, France(poster).

10. **E.S.Papadopoulou,** P.A.Karas, S.Nikolaki, V.Storck, M. Trevisan, F. Ferrari, D.G. Karpouzas(2014). Lab-to-field experimental approach to study the dissipation, metabolism, and soil microbial ecotoxicity of isoproturon, tebuconazole, and chlorpyrifos. 13th IUPAC International Symposium of Pesticide Chemistry, San Francisco, USA, poster No. 460 p. 121.

11. V. Storck, G. Pertile, **E.S. Papadopoulou**, Jé. Béguet, F. Ferrari, M. Trevisan, D.G. Karpouzas,F. Martin-Laurent (2014). Fate and metabolism of the herbicide isoproturon in soil microcosms and its impact on soil microbial communities using advanced molecular tools. 13th IUPAC International Symposium of Pesticide Chemistry, San Francisco, USA, poster No. 457, p. 120.

12. Pertile G., Storck V., **Papadopoulou E.S.,** Ferrari F., Karpouzas D.G.,Fabrice-Martin L. (2014). Microcosm assessment of the dissipation and soil microbial ecotoxicity of chlorpyrifos and tebuconazole using standardized advanced molecular tools. SETAC Europe, 24thAnnual Meeting, 11-15 May 2014 Basel (poster).

13. C. Malandain, O. Sibourg, **E. Papadopoulou**, S. Nikolaki, P. Karas, V. Storck, G. Pertile, F. Martin-Laurent, M. Trevisan, F. Ferrari, G. Tsiamis, D. G. Karpouzas(2014). Contaminated Site Management in Europe (CSME – 2014) and Sustainable Approaches to Remediation of Contaminated Land in Europe (SARCLE – 2014), Brussels, Belgium.

14. **E.S. Papadopoulou,** I. Ipsilantis, U. Menkissoglu-Spiroudi, E. Kandeler, I. Petric, S. Djuric, F. Martin-Laurent., D.G. Karpouzas(2012). Are arbuscularmycorrhizal fungi responsive to pesticide applications? The case of the herbicide nicosulfuron. 5thSymposium of the Hellenic Society of Mikrobiokosmos, 13-15 December 2012, Athens, Greece (poster).

15. **Papadopoulou E.,**Ipsilantis I., Menkissoglu-Spiroudi E., Karpouzas D.G.(2012). Are arbuscularmycorrhizal fungi responsive to pesticide applications: the case of the herbicide nicosulfuron. Final Meeting of the SEE.ERA.NETplus project ECOFUN-MICROBIODIV, Larissa 25 September 2013, Greece (oral presentation), p 15.

16. **Papadopoulou E.S.,**Menkissoglu-Spiroudi, U., Karpouzas D.G.(2012). Study of the effect of fungicides contained in wastewaters from the fruit-packaging industry on soil microorganisms. Proceedings of the 16th Hellenic Symposium of Phytopathology. 16-18 October 2013, Thessaloniki, p. 160 (poster).

17. **E.S.Papadopoulou.,** U. Menkissoglu-Spiroudi, S. Manta, D. Kommiotis, D.G. Karpouzas(2012. Residue analysis of ethoxyquin and its oxidation products in a Greek loam topsoil. Annual MGPR Meeting 2012 and International Conference on Food and Health Safety: Moving towards a sustainable agriculture, Belgrade, Serbia, 11-12 October 2012 (oral presentation).

18. **E.S. Papadopoulou,** B. Tsachidou, U. Menkissoglu-Spiroudi, D.G. Karpouzas(2011). The impact of pesticides contained in wastewaters from the fruit packaging industry on the diversity and function of soil microbes. 7th International Symposium MGPR "Paolo Cabras" Pesticides in Food and the Environment In Mediterranean Countries. Thessaloniki, Greece 9-11 November 2011, p 40 (oral presentation).

19. Karpouzas D.G.,Rousidou C., **Papadopoulou E.,**Omirou M., Ipsilantis I., Papadopoulou K.K., Ehaliotis C., Menkissoglou-Spiroudi U., Singh B.K., Puglisi E. (2011). Pesticide effects on the diversity and function of non-target soil microbes: Truths, lies and regulatory issues. 4th Symposium of the Hellenic Society ofMikrobiokosmos, Ioannina, p 12 (oral presentation).

20. **Papadopoulou E.S.,**Karpouzas D.G.,Menkissoglu-Spiroudi U. (2010). Study of the extraction parameters that significantly influence the quantity and the composition of PLFAs extracted from soils. 3rd SymposiumoftheSocietyofMikrobiokosmos, Thessaloniki (poster), p 103.

21. D.S. Koveos, G.D. Broufas, M.L. Pappa, A. Della, **E. Papadopoulou**(2005).

Toxicity evaluation of some insecticides and acaricides in popoulations of the predatory mite *Euseiusfinlandicus* (Acarina: Phytoseiidae). Proceedings of the11thHellenic Symposium of Entomology, 11-14 October 2005, Karditsa, Greece (poster).

22. D.S. Koveos, G.D. Broufas, M.L. Pappa, E.Chatzigianni, A. Della, **E. Papadopoulou,**D. Profitou-Athanasiadou, N. Koulousis(2005). Resistance to insecticidesin populations of the predatory mite *Euseiusfinlandicus* (Acarina: Phytoseiidae). Proceedings of the11thHellenic Symposium of Entomology, 11-14 October 2005, Karditsa, Greece (poster).