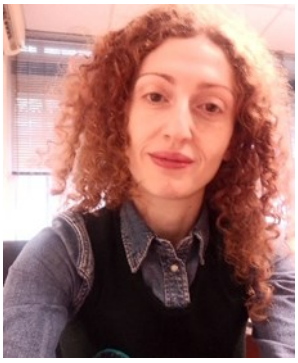
# CURRICULUM VITAE

## Evangelia S. Papadopoulou



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## EDUCATION

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| 1999-2004 | BSc in Agriculture, School of Agriculture, Aristotle University of Thessaloniki, Greece |
| 2004-2006 | Master of Science in Plant Protection, School of Agriculture, Aristotle University of Thessaloniki, Greece |
| 2009-2013 | 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 |

## APPOINTMENTS

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| 11/2020- today | Assistant Professor, Department of Environmental Sciences, University of Thessaly |

## TEACHING

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| *Undergraduate Level* | *Soil Health*, Department of Environmental Sciences, University of Thessaly (02/2024 – Present) |
| | *Ecotoxicology (Theory and Laboratory*), Department of Environmental Sciences, University of Thessaly (02/2024 – Present) |
| | *Contemporary Methods of Environmental Pollution Monitoring (Theory and Laboratory)* – Co-teaching, Department of Environmental Sciences, University of Thessaly (10/2023 – Present) |
| | *Analytical Environmental Chemistry (Laboratory),* Department of Environmental Sciences, University of Thessaly, (02/2021-06/2021). |
| | *Environmental Microbiology (Theory and Laboratory),* Department of Environmental Sciences, University of Thessaly, (10/2020 – Present). |

*Specialized Modules in Environmental Microbiology*, Department of Biochemistry and Biotechnology, University of Thessaly, as part of the implementation of the action 'Acquisition of Academic Teaching Experience for New Scientists Holding a Doctorate 2019-2020' (02/2020-06/2020).

*Waste Processing Technology*, Department of Biochemistry and Biotechnology, University of Thessaly, as part of the implementation of the action 'Acquisition of Academic Teaching Experience for New Scientists Holding a Doctorate 2019-2020' (02/2020-06/2020).

*Waste Processing Technology*, Contract Lecturer, Department of Biochemistry and Biotechnology, University of Thessaly (02/2019-06/2019).

*Waste Processing Technology, Department of Biochemistry and Biotechnology, University of Thessaly, as part of the implementation of the action 'Acquisition of Academic Teaching Experience for New Scientists Holding a Doctorate 2019-2020' (02/2017-06/2017).*

*Bioremediation and Biofuels*, Co-teaching, MSc Program Environmental Management, Department of Environmental Sciences, University of Thessaly (02/2024 – Present).

*Postgraduate Level*

*Biosphere, Energy, and Climate Change*, Co-teaching, MSc Program Environmental Management, Department of Environmental Sciences, University of Thessaly (10/2023 – Present).

*Environmental Pollution*, Co-teaching, MSc Program Environmental Management, Department of Environmental Sciences, University of Thessaly (10/2023 – Present). Participation in the International MSc Program 'Host Microbiome Interactions (HOSMIC)' at the University of Thessaly, delivering a lecture titled 'Soil Microbiomes' (2022 -Present)

## SUPERVISION

*Doctoral Theses*

Maria Kolovou, thesis title: *Impact of agrochemicals on soil ammonia-oxidizing microorganisms: An in vitro and in situ assessment* (04/2021- Present).

Dimitrios Dalkidis, thesis title: Id*entification of synthetic and biological nitrification inhibitors activity spectrum and mode of action on nitrifying microorganisms* (11/2022- Present).

Member of the Advisory Committee - Chrysovalantou Moutzoureli, thesis title: *Evaluation of the impact of synthetic and biological nitrification inhibitors on soil microbial community and the emission of greenhouse gases*. Department of Biochemistry and Biotechnology, University of Thessaly (11/2022- Present).

Member of the Advisory Committee - Marina Monserrat Díez, thesis title: *Exploring the effects of biological nitrification inhibitors in the soil microbial communities*. Vienna Doctoral School of Ecology and Evolution, University of Vienna (09/2023-Present).

*MSc Theses*

Member of the Advisory Committee – Paraskevi Amanatidou, thesis title: *Exploring the nitrification inhibition potential of plants from the Greek flora for the discovery of novel biological nitrification inhibitors*. Department of Biochemistry and Biotechnology, University of Thessaly (04/2024- Present).

Member of the Advisory Committee – Vergos Ioannis, thesis title: *Food Conservation and Environmental Protection*. Department of Planning and Regional Development, University of Thessaly (11/2024- Present).

Despoina Tampou, thesis title: *In vitro assessment of the toxicity of selected anthelmintics on soil ammonia-oxidizing archaea* (03/2022 –03/2024).

Alexandros Kanellopoulos, thesis title: *In vitro assessment of the toxicity of selected anthelmintics on soil ammonia-oxidizing archaea* (10/2023 –11/2024).

Maria Massa Polasek, thesis title: *Soil assessment of the persistence, efficacy, and microbial impact of selected plant-derived molecules with biological nitrification inhibition (BNI) potential for agricultural applications* (02/2025 –Present).

## ADMINISTRATIVE – ORGANIZATIONAL WORK

- Appointed Member of the University of Thessaly Tender Committees (2021-Present).
- Member of the Department of Environmental Sciences Promotion Committee (2021-2024).
- Member of the Department of Environment Sciences Internal Evaluation Team (2022-Present).
- Member of the Department of Environment Sciences Doctoral Studies Committee (2024-Present)
- Member of the Department of Environment Sciences Research Strategy Committee (2024- Present)

## AWARDS AND ACHIEVEMENTS

*2017-2018* Stavros Niarchos Foundation Scholarship for post-doctoral research at the University of Thessaly

*2017* Postdoc-Research Scholarship of the State Scholarships Foundation (IKY) (1st Cycle, NSRF 2014-2020)

*2015* Scholarship Award of Excellence of the Research Committee of Aristotle University of Thessaloniki for postdoctoral researchers, 2015 (nominal distinction).

*2015* «K. DRAINAS» Fellowship of the Hellenic Initiative Mikrobiokosmos, 2015

*2011* Scholarship Award of Excellence of the Research Committee of Aristotle University of Thessaloniki for Ph.D. students

## RESEARCH EXPERIENCE

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| *01/08/2018-12/11/2020* | Post-Doctoral Researcher-Principal Investigator of the project "NITRIC: Looking up for Novel Nitrification Inhibitors: New Stories with old compounds" funded by the General Secretariat for Research and Technology and the Hellenic Foundation for Research and Innovation and hosted by Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, University of Thessaly. |
| *05/06/2018-31/07/2018* | Post-Doctoral Researcher of the project "LOVE TO HATE: Pesticides – Felicity or curse for the soil microbes", NATIONAL SHAREHOLDING 2016-2017, funded by the General Secretariat for Research and Technology and hosted by Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, University of Thessaly. |
| *01/12/2017-27/04/2018* | Post-Doctoral Researcher – Stavros Niarchos Foundation Fellow of the project "Study of the MIcrobial Symbiome of plants and insects as a Source of Novel pesticide catalytic enzymes (MISSiON)", Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, University of Thessaly. |
| *04/04/2017-13/11/2017* | Post-Doctoral Researcher – State Scholarships Foundation Fellow of the project "I*n 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 Ampére 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 ethoxyquin (EQ) and/or its oxidation derivatives quinone imine (QI) and ethoxyquinoline (EQNL) on nitrification at physiological and biochemical level*. |
| *21/03/2016-15/05/2016* | Research Associate 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, University of Thessaly. |
| *01/09/2015-30/09/2015* | Research Associate 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, University of Thessaly. |
| *01/09/2014–31/07/2015* | PostDoctoral fellow 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. |
| *02/04/2014-31/08/20 14* | Visiting Researcher in the IAPP Marie Curie Project "LOVE TO HATE" entitled: Pesticides – Felicity or curse for the soil microbes. AEIFORIA, Spin-off Company of Universita Cattolica del Sacro Cuore, Piacenza, Italy. |

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| *01/11/2014-31/03/2014* | Visiting Researcher in 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, University of Thessaly. |
| *03/06/2013-30/09/2013* | Visiting Researcher in the the IAPP Marie Curie Project "LOVE TO HATE" entitled: Pesticides – Felicity or curse for the soil microbes. AEIFORIA, Spin-off Company of Universita Cattolica del Sacro Cuore, Piacenza, Italy. |
| *31/08/2012-30/01/2013 & 01/08/2012-30/12/2011* | Research Fellow of the project "Evaluation of Laminarine in a IPM system, for the control of TSWV and Phytopthora infestations in tobacco, variety "Basmas", in Greece", Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki. |
| *01/11/2010-31/12/2012* | Research Fellow 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. |
| *30/12/2011-01/08/2012* | Research Fellow of the project "*Evaluation of Laminarine in a IPM system, for the control of TSWV and Phytopthora infestations in tobacco, variety "Basmas", in Greece"*, Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki. |
| *22/07/2010–30/08/2010* | Research Fellow of the project "Extraction of tobacco plants flowers for analysis via GC-MS", Laboratory of Pesticide Science, School of Agriculture, Aristotle University of Thessaloniki |

## RESEARCH INTERESTS AND ACTIVITIES

- Effects of agrochemicals and agricultural practices on the function and structure of soil microbial communities
- Physiology and ecology of soil nitrifiers
- Understanding the contribution of nitrifiers to nitrogen transformation, fertiliser loss and nitrous oxide production in soil
- Study of the mechanisms driving nitrification inhibitors activity towards nitrifying organisms
- Biodegradation of organic pollutants in soil and applications in bioremediation
- Environmental fate and behaviour of agrochemicals

## RESEARCH FUNDING

As Coordinator

1. Project NITRIC: "Looking up for Novel Nitrification Inhibitors: New Stories with old compounds"" funded by the General Secretariat for Research and Technology and the Hellenic Foundation for Research and Innovation and hosted by Laboratory of Plant and Environmental

Biotechnology, Department of Biochemistry and Biotechnology, University of Thessaly. Duration: 26/07/2018 – 25/05/2021 (34 months), Total Funding: 200000€.

2. Industrial project: "Investigation of Nitrification Inhibitors Activity on Soil Ammonia- and Nitrite-Oxidizing Isolates" Part I. Department of Environmental Sciences, University of Thessaly. Duration: 11/05/2022-31/03/2023 (11 months), Funding Body: Syngenta Crop Protection AG, Basel, Switzerland; Total Funding: 28000€.
3. Industrial project: "Investigation of Nitrification Inhibitors Activity on Soil Ammonia- and Nitrite-Oxidizing Isolates" Part II. Department of Environmental Sciences, University of Thessaly. Duration: 24/01/2024-30/09/2025 (20 months), Funding Body: Syngenta Crop Protection AG, Basel, Switzerland; Total Funding: 110000€.

As Partner

1. Project ACTIONr- Research Action Network for Reducing Reactive Nitrogen Losses from Agricultural Ecosystems; Funding Body: EU-HORIZON-WIDERA-2021-ACCESS-03 (Twinning); Duration: 2022 to 2025; Total Funding: 1.480. 300.00 € (UTH 661.000 €) (Project Manager; Deputy cordinator)
2. Project Pipeline for Development and Commercialization of Biological Nitrification Inhibitors to mitigate GHG Emissions from Cultivated Soils; Duration: 2022 to 2024; Funding Body: Grantham Foundation; Total Funding: 1.166.000$ (UTH 224.000$) (Deputy cordinator).
3. Project FRIDA- FRom Inhibition to aDAptation: Exploring the interplay between nitrification inhibitors and the soil microbiome towards a sustainable agriculture; Duration: 2022 to 2024, Funding Body: HFRI & GSRI; Total Funding: 110.400,00 € (Deputy cordiantor, Leader of the Group Hosting Postodoctoral Fellow Dr Chiara Perruchon)
4. Project ARISTO- The European Industry - Academia Network for RevIsing and Advancing the Assessment of the Soil Microbial TOxicity of Pesticides. Duration:2020-2023 Funding Body: EU, MSCA – ITN – EID – H2020; Funding allocated to UTH: 398.537.64€ (Member of the Research Team)
5. Project REASSESS-REvolutionizing the Assessment of the toxicity of pesticides on Soil microorganisms: from Single species tests to EcoSystem approacheS; Duration: 2020-2023. Funding Body: HFRI&GSRI. Total Funding: 184.000 € (Member of the Research Team.)

## Other scientific activities

- Referree for scientific journals, including "Science of the Total Environment", "Biodegradation", "PLOS ONE", "Applied Soil Ecology", "Geoderma", "Frontiers in Microbiology", "Chemosphere", "Applied Microbiology and Biotechnology".
- Member of the examination committee for two (2) doctoral dissertations, two (2) master's thesis, and more

than twenty (> 20) undergraduate theses (2019 - present).

- Member of the Hellenic Initiative Mikrobiokosmos.
- Member of the Scientific and Organizing Committee of the 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens (Greece) 2021.
- Member of the Scientific and Organizing Committee of the 10th Conference of the Hellenic Scientific Society Mikrobiokosmos, Larissa (Greece) 2023.

## LIST OF PUBLICATIONS

In peer-reviewed journals

(* corresponding author)

1. Dhakar K, Kellari, LM, Karas, PA, Theodorakopoulos A, Styllas MN, **Papadopoulou ES,** Karpouzas DG, Papadopoulou KK, Vasileiadis S. 2024. Microbiome analysis of the lithophytic resurrection plant Ramonda heldreichii, reveals root driven tight-rhizosphere vs elevation specific loose-rhizosphere communities. Rhizosphere 32, 100969. https://doi.org/10.1016/j.rhisph.2024.100969.
2. **Papadopoulou ES*,** Bachtsevani E, Katsoula A, Charami C, Lampronikou E, Vasileiadis S, Karpouzas DG. 2024. Nitrification inhibitors impose distinct effects on comammox bacteria and canonical ammonia oxidizers under high N fertilization regimes. Applied Soil Ecology 199, 105417. https://doi.org/10.1016/j.apsoil.2024.105417 .
3. Kolovou M, Panagiotou D, Süße L, Loiseleur O, Williams S, Karpouzas DG, **Papadopoulou ES*** (2023). Assessing the activity of different plant-derived molecules and potential biological nitrification inhibitors on a range of soil ammonia- and nitrite-oxidizing strains. Applied and Environmental Microbiology. https://doi.org/10.1128/aem.01380-23.
4. **Papadopoulou ES***, Bachtsevani E, Papazlatani CV, Rousidou C, Brouziotis A, Lampronikou E, Tsiknia M, Vasileiadis S, Ipsilantis I, Menkissoglu-Spiroudi U, Ehaliotis C, Philippot L, Nicol GW, Karpouzas DG. The Effects of Quinone Imine, a New Potent Nitrification Inhibitor, Dicyandiamide, and Nitrapyrin on Target and Off-Target Soil Microbiota. Microbiol Spectr. 2022 Aug 31;10(4): e0240321. doi: 10.1128/spectrum.02403-21.
5. Bachtsevani, E., Papazlatani C.V., Rousidou C., Lampronikou E., Menkissolgou-Spiroudi, U., Nicol, G.W., Karpouzas, D.G., **Papadopoulou E.S.*,** 2021. Effects of the nitrification inhibitor 3,4-dimethylpyrazole phosphate (DMPP) on the activity and diversity of the soil microbial community under contrasting soil pH. Biology and Fertility of Soils 57: 1117–1135. https://doi.org/10.1007/s00374-021-01602-z.
6. **Papadopoulou E.S.*,** Bachtsevani, E., Lampronikou, E., Adamou, E., Katsaouni, A., Vasileiadis, S., Thion, S., Nicol, G.W., Menkissolgou-Spiroudi**,** U., Karpouzas, D.G., 2020. Comparison of Novel and Established Nitrification Inhibitors Relevant to Agriculture on Soil Ammonia- and Nitrite-Oxidizing Isolates. *Frontiers in Microbiology,*11:581283 doi: 10.3389/fmicb.2020.581283.
7. Perruchon C., Vasileiadis S., **Papadopoulou E.S.,** Karpouzas D. G. 2020. Genome-based metabolic reconstruction unravels the key role of B12 in Methionine auxotrophy of an *ortho*-phenylphenol-degrading

*Sphingomonas haloaromaticamans*. *Frontiers in Microbiology,* 10: 3009 doi: 10.3389/fmicb.2019.03009.

8. 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**.**
9. 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.
10. 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.
11. **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.
12. **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.
13. 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.
14. 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.
15. 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.

16. **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.
17. 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.
18. **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.
19. 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.
20. **Papadopoulou E.S.,** Lagos S., Spentza F., Vidiadakis E., Karas P.A., Klitsinaris 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. **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 National Conference Proceedings

1. Eleftheria Bachtsevani, Christina V. Papazlatani, Constantina Rousidou, Eleni Lampronikou, Myrto Tsiknia, Sotirios Vasileiadis, Urania Menkissoglu-Spiroudi, Constantinos Ehaliotis, Laurent Philippot, Graeme W. Nicol, Dimitrios G. Karpouzas, **Evangelia S. Papadopoulou**. Beyond on-target effects of potential and established nitrification inhibitors on the soil microbiota. 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens 16-18 December 2021 (Oral Presentation).
2. **Evangelia S. Papadopoulou,** Eleftheria Bachtsevani, Christina V. Papazlatani, Constantina Rousidou, Eleni Lampronikou, Urania Menkissoglu-Spiroudi, Graeme W. Nicol, Constantinos Ehaliotis, Dimitrios G. Karpouzas. Comparative evaluation of the efficacy of quinone imine, dicyandiamide (DCD), nitrapyrin, and 3,4-dimethylpyrazole phosphate (DMPP) to inhibit nitrification under different temperature and pH conditions. 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens 16-18 December 2021 (Poster).
3. Athanasia Katsoula, Eleftheria Bachtsevani, Chrysoula Charami, Eleni Lampronikou, Dimitrios G. Karpouzas, **Evangelia S. Papadopoulou.** The effect of nitrogen fertilization and nitrification inhibitors on comammox Nitrospira in a loamy rice soil. 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens 16-18 December 2021 (Poster).
4. Maria Kolovou, **Evangelia S. Papadopoulou**, Eleftheria Bachtsevani, Graeme W. Nicol, Dimitrios G. Karpouzas. Toxicity of pesticides on soil microbes: Ammonia-oxidizing microorganisms as new bioindicators for regulatory use. 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens 16-18 December 2021 (Poster).
5. Alexandre Pedrinho, Panagiotis Karas, **Evangelia S. Papadopoulou**, Christina Papazlatani, Gal Wittenberg, Dimitrios Karpouzas. Assessing the toxicity of biopesticides on soil microbiota using a modification of the OECD 216 test. 9th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens 16-18 December 2021 (Poster).
6. **Papadopoulou, E.S.,** Lampronikou, E., Bachtsevani, E., Adamou, E., Katsaouni, A., Vasileiadis, S., Nicol, G.W., Menkissolgou-Spiroudi, U., Karpouzas, D.G. In vitro evaluation of the inhibitory effect of Quinone Imine -the main oxidation derivative of ethoxyquin -on nitrification. 8th Conference of the Hellenic Scientific Society Mikrobiokosmos, Patras 18-20 April 2019 (Poster).
7. Papazlatani C., Perruchon C., Katsoula A., Lagos S., **Papadopoulou E.S.,** Vasileiadis S., Karas P.A., Karpouzas D.G. Isolating bacteria able to rapidly degrade fungicides used in fruit packaging industry: Tailored made

inocula for the treatment of relevant agro-industrial effluents. 8th Conference of the Hellenic Scientific Society Mikrobiokosmos, Patras 18-20 April 2019 (Poster).

8. **Papadopoulou E.S.,** Thion C., Nicol G.W., Menkisslu-Spiroudi U., Karpouzas D.G. In vitro testing of the inhibitory effect of EQ and its oxidation derivatives on nitrification. 7th Conference of the Hellenic Scientific Society Mikrobiokosmos, Athens, 07-09 April 2017 (Oral Presentation).
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Other authorial activities

Participation in the editorial -translation group of the scientific book *Processes in Microbial Ecology*, Second Edition. David L. Kirchman. Oxford University Press (2018) for CreteUniPress (Chapter 12: The nitrogen cycle)