Personal Information

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Education

04/2013-09/2019: PhD at the Department of Biochemistry and Biotechnology, Plant and Environmental Biotechnology Laboratory, University of Thessaly, Larissa, Greece. Grade: "Excellent"
PhD thesis: "Colonization of legumes by an endophytic *Fusarium solani* strain K. Early-stage molecular signaling and sub-cellular responses"

10/2009-11/2011: Master of Research Degree in "Environmental Management", Agricultural University of Athens, Greece. Grade: "*Excellent*"

09/2002-11/2008: Bachelor of Science Degree in Biology. Faculty of Biology, School of Sciences, National and Kapodistrian University of Athens, Greece. Grade: "*Very Good*"

Work experience:

10/2022-today: Primary Investigator of the H.F.R.I. funded project: "Endophytic fungal progression Pathway in plant roots: spotlight on cellular gates and barriers (EndoPath)", Plant and Environmental Biotechnology Laboratory, Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece.

01/2022-06/2022: Researcher position, ORA Services P.C. (Out of Ordinary Agroscience), Athens, Greece, in the frames of the project: "Development and application of formulated endophytic fungi for novel plant growth strategies (FORFUN)".

04/2021-11/2021: Researcher position, ORA Services P.C. (Out of Ordinary Agroscience), Athens, Greece, in the frames of the project: "Development and application of formulated endophytic fungi for novel plant growth strategies (FORFUN)".

09/2019-09/2022: Post-doctoral researcher in the field of Plant-Microbe Interactions (legume-endophytic fungi, arbuscular mycorrhizal associations), Soil Science and Agricultural Chemistry Laboratory, Department of Natural Resources & Agricultural Engineering, Agricultural University of Athens.

10/2021-07/2022: Tutor of the course 'Biology/Biochemistry', in the specialty 'General Nursing Assistants' of the Apprenticeship School of Manpower Employment Organization for the school year 2021-2022.

06/2015-11/2015: Secondment for six months in the company **'**ENOVEO Bioengineering Environmental Solutions', Lyon, France, in the frames of the European project: "Love to Hate. Pesticides: felicity or curse for the soil microbial community?". Academia – Industry partnership.

2012-2015: Participation in the Scientific Program: "Contribution of Mycorrhizae to the sustainability of marginal Mediterranean ecosystems – development of mycorrhizal inocula", Agricultural University of Athens.

04/2010-11/2010: Eight-months occupation contract, as a Biologist, at the Ministry of Rural Development and Food, Centre of Athens Veterinary Institutes, Institute of Infectious and Parasitic Diseases, Department of Avian Diseases.

09/2007-09/2008: Twelve-months occupation contract as a customer service representative in Hellenic Telecommunications Organization S.A. (OTE group).

Personal skills and competences:

Languages:

Greek: Maternal language; **English**: Proficient user. Proficiency certificate (C2); **French**: Basic knowledge. DALF certificate (C2); **German**: Elementary knowledge. Zertifikat Deutsch certificate (B1).

Computer skills:

Excellent Microsoft Office operation (Word, Excel, Internet, PowerPoint).
Good knowledge of graphic design and image analysis software (e.g. Inkscape, ImageJ)
Infographics preparation
Basic knowledge of Bioinformatics
Basic knowledge of data manipulation / transformation and graphs construction via R programming language

Fellowships – awards:

2016: COST Action FA1405 grant, to travel and perform research in the Laboratory of Advanced Microscopy, Department of Life Sciences and Systems Biology, University of Torino, Italy.

2015: COST Action FA1206 grant, to travel and perform research in the Laboratory of Plant-Microbe Interactions, Department of Life Sciences and Systems Biology, University of Torino, Italy.

2009-2010: "Zoi Soutsou" fellowship, under written examination, to attend postgraduate studies.

Publications:

Kefalogianni I, **Skiada V**, Tsagou V, Efthymiou A, Xexakis K & Chatzipavlidis I (2021), Co-composting of cotton residues with olive mill wastewater: process monitoring and evaluation of the diversity of culturable microbial populations. Environ Monit Assess 193, 641. doi.org/10.1007/s10661-021-09422-2

Tsiknia M, **Skiada V**, Ipsilantis I, Vasileiadis S, Kavroulakis N, Genitsaris S, Papadopoulou KK, Hart M, Klironomos J, Karpouzas DG, Ehaliotis C (2021). Strong host-specific selection and over-dominance characterize arbuscular mycorrhizal fungal root colonizers of coastal sand dune plants of the Mediterranean region. FEMS Microbiology Ecology, 97(9), fiab109. doi.org/10.1093/femsec/fiab109

Vasilakoglou I, Dhima K, Giannakoula A, Dordas C, **Skiada V**, Papadopoulou KK (2021), Carbon Assimilation, Isotope Discrimination, Proline and Lipid Peroxidation Contribution to Barley (*Hordeum vulgare*) Salinity Tolerance. *Plants (Basel)*, 10(2):299. doi:10.3390/plants10020299

Skiada V, Avramidou M, Bonfante P, Genre A, Papadopoulou KK (2020), An endophytic *Fusarium* –legume association is partially dependent on the common symbiotic signalling pathway. New Phytol, 226: 1429-1444. doi:10.1111/nph.16457

Skiada V, Kavroulakis N, Faccio A, Genre A, Bonfante P, Papadopoulou KK (2019), Colonization of legumes by an endophytic *Fusarium solani* strain K reveals common features to symbionts or pathogens. Fungal Genetics and Biology. 127:60-74. doi: 10.1016/j.fgb.2019.03.003.

Garantonakis N, Pappas ML, Varikou K, **Skiada V**, Broufas GD, Kavroulakis N, Papadopoulou KK (2018), Tomato inoculation with the endophytic strain *Fusarium solani* K results in reduced feeding damage by the zoophytophagous predator *Nesidiocoris tenuis*. Front. Ecol. Evol. 6:126. doi.org/10.3389/fevo.2018.00126

Malandrakis AA, Daskalaki ER, **Skiada V**, Papadopoulou KK, Kavroulakis N (2018), A *Fusarium solani* endophyte vs fungicides: Compatibility in a *Fusarium oxysporum* f.sp. *radicis-lycopersici* -tomato pathosystem. Fungal biology, 122 12, 1215-1221. doi.org/10.1016/j.funbio.2018.10.003

Ouzounidou G, **Skiada V**, Papadopoulou KK, Stamatis N, Kavvadias V, Eleftheriadis E, Gaitis F (2015), Effects of soil pH and arbuscular mycorrhiza (AM) inoculation on growth and chemical composition of chia (*Salvia hispanica* L.) leaves. Brazilian Journal of Botany 3(3): 487-495. doi.org/10.1007/s40415-015-0166-6

Book translations

Weil RR, Brady NC (2015), The nature and properties of soils.
Translation to the Greek language of the book chapter "Soil phosphorus and potassium". Ioannis Asimakopoulos, Constantine Ehaliotis, **Vasiliki Skiada**. Embryo publications, Greece.