

Katsoula Athanasia

PERSONAL INFORMATION:

Date of Birth: 12th of May 1987
Place of Birth: Thessaloniki
Address: Pampouki 11, Ippokratis, Larissa
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EDUCATION:

11/2014–present: PhD student of Biochemistry and Biotechnology Department, Plant and Environmental Biotechnology Laboratory, University of Thessaly, Larissa, Greece.

PhD thesis: Study of the function and diversity of Phyllospheric microbial community of plants and interactions with the environment.

Supervisor: Associate Professor of Environmental Microbiology and Biotechnology D.G. Karpouzas.

10/2011–11/2013: MSc in Biotechnology – Nutrition & Environment, Department of Biochemistry & Biotechnology, University of Thessaly, Larissa, Greece.

Master thesis project: “Study of the symbiotic microbial community of the flower of *Brassica Oleracea*”

Supervisor: Associate Professor of Environmental Microbiology and Biotechnology K. K. Papdopoulou.

09/2005–3/2011: BSc degree of the Department of Agriculture Crop Production and Rural Environment, School of Agricultural Sciences, University of Thessaly, Volos, Greece.

Bachelor thesis project: “Study of the microclimate distribution in a greenhouse with artificial fog as a cooling system”

Supervisor: Associate Professor Agricultural Constructions & Environmental Control N. Katsoulas

WORK EXPERIENCE:

2/2015-7/2015: Participation in the scientific program “ESEPMINENT” led by Dr. D. Vokou of Aristotle University of Thessaloniki (AUTH), titled “Essential-oil mediated plant-microbe interactions in the Mediterranean environment: in search of a role and novel applications.”

Main Responsibilities: DNA isolation from phyllosphere and rhizosphere samples, quantification of populations through q-PCR method, Denaturing Gradient Gel Electrophoresis, clone library, data analysis.

01-21/12/2014: Guest researcher of Helmholtz Centre for Environmental Research - UFZ, Leipzig, Germany. Research on Environmental microbiology, within the project ISOPED, which is funded by IKY-DAAD. Training on plasmid extraction and TRFLP method.

11-12/2014: Participation in the scientific research "Analysis of soil samples as to quantify the population of the main soilborn fungal plant pathogens." led by Dr. D. G. Karpouzas of University of Thessaly (UTH), funded by K+N EUTHYMIADIS S.A. Main Responsibilities: genomic DNA isolation from soil samples, developing methods for quantification through q-PCR, data analysis.

PERSONAL SKILLS AND COMPETENCES:

Technical skills: Laboratory techniques knowledge:

Classical Microbiology: Culture Media Preparation, Media Inoculation, Isolation of Pure Cultures, Microscopic Observations.

Molecular Techniques: RNA/DNA Isolation, Polymerase Chain Reaction (PCR, RT-PCR, q-PCR), Agarose Gel Electrophoresis, DNA cleanup from PCR, Ligation Reaction, Transformation of Bacterial Cells, Restriction Enzyme Digestion, Isolation of Plasmid DNA from Bacteria, Denaturing Gradient Gel Electrophoresis, Clone library.

Foreign Languages: Greek: Native English: Fluent

Computer skills: Microsoft Office operation (Word, Excel, Internet, PowerPoint).

Basic knowledge of Bioinformatics.

PUBLICATIONS IN PEER-REVIEWED JOURNALS:

1. Papazlatani C., Rousidou C., **Katsoula A.**, Kolyvas M., Genitsaris S., Papadopoulou K.K., Karpouzas D.G., (2016) Assessment of the impact of the fumigant dimethyl disulfide on the dynamics of major fungal plant pathogens in greenhouse soils, *European Journal of Plant Pathology* 146 (2), pp 391–400

PRESENTATIONS IN CONFERENCE:

1. Karamanoli K., Sainis I., Vareli K., Voggoli D., Monokrousos N., Karpouzas D.G., **Katsoula A.**, Halley J.M., Yadav, Constantinidou H.-I.A., Vokou D., Exploring the Leaf, Airborne, and Soil Microbial Communities in a Mediterranean Ecosystem, 6th National Mikrobiokosmos Conference, Athens, Greece (3-5/4/2015).
2. **Katsoula A.**, Papazlatani C., Papadimitriou A., Rousidou C., Papadopoulou K. K., Karpouzas D. G., Estimation of the population levels of soil-born fungal plant pathogens in soils from greenhouses in Western Greece via q-PCR, 6th National Mikrobiokosmos Conference, Athens, Greece (3-5/4/2015).
3. Karamanoli K., Karpouzas D.G., **Katsoula A.**, Sainis I., Voggoli D., Monokrousos N., Halley J.M., Yadav R.K.P., Constantinidou H.-I.A., Damialis A, Vokou D. Exploring the leaf, airborne, and soil microbial communities in a Mediterranean ecosystem, 10th International Symposium on Phyllosphere Microbiology, 19-23/07/2016, Monte Verità, Ascona, Switzerland

4. **Katsoula A**, Karamanoli K, Ainalidou A, Chalkos D, Vokou D, Karpouzas DG, Soil amendment with aromatic plant material influences the structure and function of the soil microbial community, 8th Congress of the Hellenic Ecological Society, Thessaloniki, Greece (20-23/11/2016)
5. **Katsoula A**, Karamanoli K, Monokrousos N, Vokou D, Karpouzas DG, Which factors drive the composition of the microbial community in the phyllosphere of the plants of a Mediterranean ecosystem? 8th Congress of the Hellenic Ecological Society, Thessaloniki, Greece (20-23/11/2016)

SEMINARS ATTENDANCE:

- 03–05/04/2015: 6th National Mikrobiokosmos Conference, “New Horizons in the Micro World”, Athens, Greece.
- 24/09/2015: Writing & Publication of Scientific Papers, University of Thessaly, Volos
- 19-23/09/2016: Attendance to Summer School of “Pesticides and Soil Microbes in the Era of Omics: Technological Advances and New Challenges for the Industry and the Academia”, organized within the frame of LOVE TO HATE project (IAPP Marie Curie Action FP7) of University of Thessaly, in collaboration with Patras University, INRA – Dijon-France, ENOVEO cp και AEIFORIA srl., Paou Monastery, Magnissia, Greece.
- 20-23/11/2016: 8th Congress of the Hellenic Ecological Society, “150+ years of Ecology, structures, dynamics and survival strategies”, Thessaloniki, Greece

OUTREACH ACTIVITIES

- 2016/2014: Volunteering to the project Researcher’s Night. A European volunteering project, that aims to inform the public about a researcher’s work.
- 2015/2016: Volunteering in the project “Microbes go kindergarten”. A volunteering project, visiting kindergarten schools to educate students about a researcher’s job.