

PAVLOU CHRISTOFOROS

Curriculum Vitae

Personal information

Address: Nicosia, Cyprus Date of Birth: 07/08/1989

Nationality: Cypriot

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Phone numbers:

Work Experience

1) **1 June 2022-Present: State general laboratory of Cyprus: Biologist**

Water and Drug Microbiology Laboratory: Quality assessment of various water types (table water, pools, sea water, dam water etc.) through the presence of different microorganisms

2) **1 September 2021-31 December 2021: State general laboratory of Cyprus: Biologist**

Water and Drug Microbiology Laboratory: Quality assessment of various water types (table water, pools, sea water, dam water etc.) through the presence of different microorganisms

3) **7 December 2016-7 January 2017 & 1-31 August 2018: Entomologist**

Collection and identification of *Phlebotomus* species from Crete and Cyprus respectively. Trial of the new Human Decoy trap for sand fly collection and comparison with the CDC light trap

4) **27 July 2016-27 September 2016: Entomologist**

Collection and identification of *Phlebotomus* species from Aegean islands. Statistical and ecological analyzes. The results are published in the journal article: "Phlebotomine sand flies (Diptera: Psychodidae) in the Greek Aegean islands: ecological approaches"

Education

1) **May 2017-Present: PhD Candidate in Biology Department of University of Crete**

PhD Dissertation: Molecular phylogeny, phylogeography and morphological analysis of *Phlebotomus* species (Diptera: Psychodidae) from Aegean islands. Supervisors: Prof. N. Poulakakis & A. Prof. M. Antoniou

Laboratory: Molecular Systematics Lab, Natural History Museum and Biology Department of University of Crete; Laboratory of Clinical Bacteriology, Parasitology, Zoonoses and Geographical Medicine, University of Crete

2) **2013-2016: MSc in University of Crete: Environmental Biology: Management of Terrestrial and Marine Resources**

MSc Thesis: Exploring wetland biodiversity on Crete: Ground Beetle (Coleoptera: Carabidae) communities at small coastal salines and mountain temporary ponds. Supervisor: Prof. M. Mylonas

Laboratory: Arthropods Laboratory, Natural History Museum of Crete

Grade: 8.82/10

3) **2009-2013: BSc in University of Cyprus: Degree in Biological Sciences**

Diploma thesis: Distribution of the biodiversity of the Carabid species (Insects: Coleoptera) in the Troodos mountain range. Supervisor: Prof. S. Sfenthourakis

Laboratory: Ecology and Biodiversity Laboratory, University of Cyprus

Traineeship: Department of Fisheries and Marine Research in Cyprus (June to August 2012)

Skills and Expertise

- Biodiversity, Systematics, Taxonomy (Insect Taxonomy), Phylogeny, Phylogeography, Ecology, Morphometry, Parasitology (Leishmaniases).
- Field samplings (pitfall sampling, CDC miniature light traps, sorting arthropods).
- Insect morphological identification (identification keys & morphometry).
- Insect molecular identification (DNA barcoding & Restriction Fragment Length Polymorphism).
- Molecular procedures: DNA extraction, PCR, PCR purification, agarose gel electrophoresis, restriction digests, Indirect Fluorescent Antibody Test.
- Molecular statistics (using software PartitionFinder, MrBayes, IQTREE, PHYML, BEAST2, PAUP, BPP).
- Morphological and ecological statistics (using software SPSS, PAST, PRIMER, ImageJ, MorphoJ, TpsDig, TpsRelw).
- Familiar with Windows, Unix (Linux) and Python operating systems.

Publications

- 1) Christoforos Pavlou**, Nikolaos Tsirigotakis, Vasiliki Christodoulou, Nikos Poulakakis & Maria Antoniou. *Inter- and intra- specific morphological variation in Phlebotomus species (Diptera: Psychodidae) from Greek Aegean islands*. In preparation
- 2) Christoforos Pavlou**, Emmanouil Dokianakis, Nikolaos Tsirigotakis, Vasiliki Christodoulou, Yusuf Özbel, Maria Antoniou & Nikos Poulakakis. *A molecular phylogeny and phylogeography of Greek Aegean Island sand flies of the genus Phlebotomus (Diptera: Psychodidae)*, 2022. *Arthropod Systematics & Phylogeny*, 80:137-154, doi: 10.3897/asp.80.e78315
- 3) Vit Dvořák**, Nikolaos Tsirigotakis, **Christoforos Pavlou**, Emmanouil Dokianakis, Mohammad Akhouni, Petr Halada, Petr Volf, Jérôme Depaquit, & Maria Antoniou. *Sand fly fauna of Crete and the description of Phlebotomus (Adlerius) creticus n. sp. (Diptera: Psychodidae)*, 2020. *Parasites & Vectors*, 13:547, doi: 10.1186/s13071-020-04358-x
- 4) Ioannis Tsakmakidis**, **Christoforos Pavlou**, Androniki Tamvakis, Theologos Papadopoulos, Vasiliki Christodoulou, Katerina Angelopoulou, Chrysostomos Dovas, Maria Antoniou, Christos Anastasakis & Anastasia Diakou. *Leishmania infection in lagomorphs and minks in Greece*, 2019. *Veterinary Parasitology: Regional Studies and Reports*, 16:10279, doi: 10.1016/j.vprsr.2019.100279
- 5) Nikolaos Tsirigotakis**, **Christoforos Pavlou**, Vasiliki Christodoulou, Emmanouil Dokianakis, Christos Kourouniotis, Bulent Alten & Maria Antoniou. *Phlebotomine sand flies (Diptera: Psychodidae) in the Greek Aegean islands: ecological approaches*, 2018. *Parasites & Vectors*, 11:97, doi: 10.1186/s13071-018-2680-4

Conferences

- 1) 15th International Conference Iczegar**: 12-15 October 2022, Mytilene, Greece
- 2) 14th International Conference Iczegar**: 27-30 June 2019, Thessaloniki, Greece
- 3) 9th Ecological Hellenic Conference, Helecos**: 4-7 October 2018, Herakleion, Crete, Greece
- 4) 8th Ecological Hellenic Conference, Helecos**: 20-23 October 2016, Thessaloniki, Greece
- 5) 13th International Conference Iczegar**: 7-11 October 2015, Heraklion-Crete

Training

- 1) IUCN Red List for Regional Assessor**. Completed at 29 October 2021
- 2) iBioGen Workshop**: "Analysis of metagenetic data for macroecology", 2nd-8th October 2019, University of Cyprus, Nicosia, Cyprus

3) VECMAP Lite Workshop organized by Avia-GIS, 28th September 2016, Crete

Seminars

1) Seminar: Native and non-native vector management in the Eastern Mediterranean and the Middle East (EMME), 26th-28th April 2017, Akrotiri village, Cyprus

2) Seminar: Laboratory Security IMBB-FORTH, 21st January 2014, Voutes, Crete

Other Meetings

1) 19th Annual Meeting of Postgraduate Environmental Research, University of Crete, 29/6/2018, Heraklion

2) 17th Annual Meeting of Postgraduate Environmental Research, University of Crete, 1/7/2016, Heraklion

3) 16th Annual Meeting of Postgraduate Environmental Research, University of Crete, 13/7/2015, Heraklion

4) 15th Annual Meeting of Postgraduate Environmental Research, University of Crete, 3/7/2014, Heraklion

Languages

Mother tongue: Greek

Foreign languages: English: IGCSE/GCE Ordinary level (grade C2)