

Curriculum Vitae

Personal Information

Full name: Sevasti Koursioti

Year of birth: 1997

Mob: +306949939179

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Languages

Greek: Native

English: C2 Level ECPE, University of Michigan

Education

09.2021 – 03.2023: **Master's Degree (M.Sc.)** in "Environmental Biology", Department of Biology, University of Crete (Grade: 9.16)

Thesis: "Ancient DNA analysis in human remains of the early bronze age in Greece." Ancient DNA Laboratory of the Institute of Molecular Biology and Biotechnology (IMBB) - Foundation for Research and Technology (FORTH). Supervisor: Prof. Nikos Poulakakis

10.2015 – 11.2021: **Bachelor's Degree in Biology (B.Sc.)**, Department of Biology, University of Crete (Grade: 7.11)

Thesis: "Leakage of paternal mitochondrial DNA in hybrids of *Drosophila simulans* x *Drosophila mauritiana*". Population Genetics and Evolution Laboratory, Department of Biology, University of Crete. Supervisor: Assoc. Prof. Emmanouil Ladoukakis

Professional/Research Activity

04.2024 – Present: Research Project HFRI "Genomic diversity of *Gypaetus barbatus* and the impacts of climate change." Ancient DNA Laboratory of the Institute of Molecular Biology and Biotechnology (IMBB) - Foundation for Research and Technology (FORTH). Supervisor: Prof. Nikos Poulakakis

Project Objective: Generation of genomic data, bioinformatic analysis, and assessment of genomic diversity of *Gypaetus barbatus* in Crete.

06.2023 – 12.2023: Research Project HFRI "Testing for COVID-19 in clinical samples for

Public Health." Clinical Virology Laboratory, Medical School, University of Crete.
Supervisor: Prof. Georgios Sourvinos

Project Objective: Testing of COVID-19 antibodies, collection, evaluation, and processing of results.

02.2022 – 06.2023: Research Project HFRI "Testing for COVID-19 in clinical samples for Public Health." Clinical Virology Laboratory, Medical School, University of Crete.
Supervisor: Prof. Georgios Sourvinos

Project Objective: Detection of coronavirus in clinical samples and clerical support for the Clinical Virology Laboratory.

06.2021 – 08.2021: Participation in the European Program "Aquacosm: Determining The Effects Of High Doc And Warming On The Microbial And Planktonic Food Web Structure And Efficiency" – Middle East Technical University (METU).

Project Objective: Environmental DNA (eDNA) extraction, participation in chemical analyses, and field sampling.

04.2018 – 04.2019: Guide at the Natural History Museum of Crete

Presentations in Conferences

2022: Vassou D., Psonis N., Tabakaki E., **Koursiotti S.**, Papakosta D., Xanthopoulos K., Papadopoulou V.N., Tsetsos F., Galanis A., Papagerogopoulou C., Nafplioti A., Pavlidis P., Stamatakis A., & Poulakakis N. Human genomes from Ancient Amvrakia, Epirus, north-western Greece. *Proceedings of the 15th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, Mytilini, Greece, 12-15 October.

Skills

Laboratory/Practical:

- Handling and processing archaeological and historical biological material in a sterile environment (cleanroom)
- Ancient DNA extraction
- Construction of genomic libraries of ancient DNA (double-stranded and single-stranded)
- PCR and qPCR (Real-time PCR)
- Construction of genomic libraries of genomic DNA
- DNA electrophoresis
- Study of chemical and cellular immunity against COVID-19 via the ELISA

immunoassay method

- Processing human samples for laboratory analyses and detection/quantification of SARS-CoV-2 viral load
- Environmental DNA (eDNA) isolation from freshwater samples
- Participation in chemical analyses of freshwater samples
- Field sampling
- Crossbreeding and reproduction of *Drosophila* species

Other:

- Visitor management (supervision of the area, providing information, and guiding museum visitors)
- Participation in organizing/guiding activities for children in the museum.

Computer Skills

- Proficient with Microsoft Office™ tools (Excel, Word, PowerPoint)
- Basic knowledge of R programming language
- Basic knowledge of Linux software handling

Personal Characteristics

- Organized
- Patient
- Independent
- Flexible
- Collaborative
- Communicative