



PERSONAL INFORMATION

Forename *Nikolaos (Nikos)*
Surname *Psonis*
Year of birth 1988
Nationality *Greek*

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Ancient DNA Lab,
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Academic profiles (links) and IDs

[Google Scholar profile](#)
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ResearcherID: G-7278-2017

• EDUCATION

2012 – 2017 **Philosophiae Doctor (Ph.D.)**, Department of Biology, University of Crete.

Thesis Molecular Phylogenetics and Phylogeography of the «*Podarcis tauricus*» (Sauria: Lacertidae) species subgroup.
Supervisor: Prof. Nikos Poulakakis
Available at: <https://elocus.lib.uoc.gr/dlib/d/4/b/metadata-dlib-1487666619-178524-24583.tkl> (in Greek with English abstract).

2010 – 2012 **Master of Science (M.Sc.)**, two-year program “Environmental Biology - Management of Terrestrial and Marine Biological Resources”, Department of Biology, University of Crete (Grade 9.67/10).

Thesis Molecular Phylogeny and Phylogeography of the two “close related” snail genera *Helicigona* & *Campylaea* (Gastropoda: Pulmonata) in Greece.
Supervisor: Prof. Nikos Poulakakis
Available at: <https://elocus.lib.uoc.gr/dlib/4/7/7/metadata-dlib-1352288746-953323-13067.tkl> (in Greek with English abstract).

2006 – 2010 **Biology Degree (B.Sc.)**, Department of Biology, University of Crete, (Grade 7.94/10).

Thesis Incorporation of genetic data in the biogeographical species-area relationship - a first approach.
Supervisor: Prof. Nikos Poulakakis
(in Greek with English abstract)

- **LANGUAGES**

Greek Native
English C1 level - International English Language Testing System (IELTS)

- **CURRENT POSITION**

2017 - **Postdoctorate researcher**, *Paleogenomics and Evolutionary Genetics Group*, Ancient DNA Lab, IMBB -FORTH, Greece
Current Lab head: Dr. Nikos Poulakakis

- **WORK EXPERIENCE**

2021 – Ancient DNA Lab, IMBB -FORTH, program *APOIKIA*, EPAnEK - NSRF 2014-2020

Job title Handling and analysis of biological samples of archaeological interest with specialized protocols (ancient DNA analysis). Bioinformatics analysis of sequence data.

2018 – 2020 Ancient DNA Lab, IMBB -FORTH, program *POLITEIA II*, EPAnEK - NSRF 2014-2020

Job title Development of ancient DNA extraction, enrichment and analysis protocols, development and application of bioinformatics analyses of ancient DNA (Next Generation Sequencing) data manipulation, development of and application of bioinformatics analyses of genetic sex determination and molecular species identification, participation in seminar and workshop organization.

2020 (02 – 05) Independent contractor, Program *Knowing and protecting biodiversity: Recording and mapping of the Greek reptile fauna. Dissemination and dissemination of results in civil society*. Natural Environment & Novel Environmental Actions 2018, Green Treasury, Ministry of Environment and Energy, Greece

Job title Contribution on the creation of the *Atlas of Reptiles and Amphibians of Greece* by writing about the biology, ecology, distribution, preservation and threats for nine species.

2017 – 2018 Ancient DNA Lab, IMBB -FORTH, program *ARCHERS*, Stavros Niarchos Foundation

Job title Preservation of Cultural Heritage: Bioarcheology & Ancient DNA analysis

- 2015 (04 – 11) Independent contractor, Program *Inventory and Monitoring of Habitat types and Species of Flora and Fauna of Directives 92/43 and 79/409 of the Management Agency Evros Delta*, EPPERAA – NSRF 2007 – 2013
Job title Monitoring and evaluation of the conservation status of amphibian / reptile species with Community interest.
- 2015 (08 – 10) Molecular Systematics Lab, Natural History Museum of Crete, Program *EcoGenoDiv*, ARISTEIA II – NSRF 2007 – 2013
Job title Study of the evolutionary diversification of the common gecko (*Mediodactylus kotschy*) in the Aegean area using Next Generation Sequencing data (RAD – tags).
- 2014 – 2015 Molecular Systematics Lab, Natural History Museum of Crete, Program *EcoGenoDiv*, ARISTEIA II – NSRF 2007 – 2013
Job title Participation in field work, lab analyses and phylogenetic analyses concerning one of the target species.
- 2013 – 2014 Hellenic Centre for Marine Research, Program *Hellenic Network for Biodiversity Research: Construction and operation of the national Lifewatch research infrastructure (ESFRI)* NSRF 2007 – 2013
Job title Digital cataloguing of biological collections of the Natural History Museum of Crete.

• **FELLOWSHIPS**

- 2022 (04 – 05) Epigenomics and Paleogenomics team, Institut Jacques Monod, Université de Paris-CNRS, Paris, France.
Lab Head: Dr. Eva-Maria Geigl
- 2016 (09 – 11) Exelixis Lab, Heidelberg Institute of Theoretical Studies (HITS), Heidelberg, Germany.
Lab Head: Prof. Alexandros Stamatakis
- 2015 (01 – 02) Molecular Systematics and Conservation Genetics (MSCG) center, Yale Institute for Biospheric Studies (YIBS), Yale University, Connecticut, USA.
Lab head: Dr. Adalgiza Caccone

• **SCHOLARSHIPS AND AWARDS**

- 2012 – 2013 PhD Scholarship by Manassaki Foundation

- 2012 Award for the 2nd-best poster, 12th International Congress on the Zoogeography, Ecology and Evolution of Eastern Mediterranean (12th ICZEGAR), 18-22.07.12, Athens, Greece
- 2011 – 2012 M.Sc. Scholarship by the State Scholarships Foundation of Greece
- 2010 – 2011 M.Sc. Scholarship by the ANEK corporation

• **RESEARCH INTERESTS**

- Phylogenetic relationships and phylogeography of animal species distributed in the Eastern Mediterranean and adjacent regions
- Molecular Systematics
- Population Genetics/Genomics
- Palaeogenomics of extinct Mediterranean mammals
- Museomics
- Archaeogenetics of ancient humans and animals of the Greek / Aegean area

• **PUBLICATIONS IN PEER-REVIEWED JOURNALS**

First author: 10 out of 13

h-index: 6

Citations: 144 (Google Scholar), 141 (ResearchGate), 88 by 67 documents (Scopus)

Coauthors: 27

- 2022 **Psonis N.**, Vardinoyannis K., & Poulakakis N. High-throughput degraded DNA sequencing of subfossil shells of a critically endangered stenoendemic land snail in the Aegean. *Molecular Phylogenetics and Evolution*, [175:107561](#). (Citations: 0)
- 2021 **Psonis N.**, Vassou D., Nicolaou L., Roussiakis S., Iliopoulos G., Poulakakis N., & Sfenthourakis S. Mitochondrial sequences of the extinct Cypriot pygmy hippopotamus confirm its phylogenetic placement. *Zoological Journal of the Linnean Society*, [zlabo89](#). (Citations: 2)
- 2021 **Psonis N.**, Vassou D., & Kafetzopoulos D. Testing a series of modifications on genomic library preparation methods for ancient or degraded DNA. *Analytical Biochemistry*, [623:114193](#). (Citations: 4)
- 2021 **Psonis N.**, Antoniou A., Karameta E., Darriba D., Stamatakis A., Lymberakis P. & Poulakakis N. The wall lizards of the Balkan peninsula: tackling questions at the interface of phylogenomics and population genomics. *Molecular Phylogenetics and Evolution*, [159:107121](#). (Citations: 5)
- 2021 Staikou V., Sianis D.P., Vassou D., **Psonis N.**, Allentoft M., & Iliopoulos G., Middle Helladic Tombs at Nydri Plain, Lefkas Island. An Archaeological and Paleoanthropological Study. *Journal of Greek Archaeology*, [6. 43–59](#). (Citations: 1)

- 2020 **Psonis N.**, de Carvalho C.N., Figueiredo S., Tampakaki E., Vassou D., Poulakakis N. & Kafetzopoulos D. Molecular identification and geographic origin of a post-Medieval elephant finding from southwestern Portugal using high-throughput sequencing. *Scientific Reports*, [10:19252](#). Open Access. (Citations: 5, Web Accesses: 2441).
- 2019 Spilani L., Bougiouri K., Antoniou A., **Psonis N.**, Poursanidis D., Lymberakis P., Poulakakis N. Multigene phylogeny, phylogeography and population structure of *Podarcis cretensis* species group in south Balkans. *Molecular Phylogenetics and Evolution*, [138, 193-204](#). (Citations: 10)
- 2018 **Psonis N.**, Antoniou A., Karameta E., Leaché A.D., Kotsakiozi P., Darriba D., Kozlov A., Stamatakis A., Poursanidis D., Kukushkin V.O., Jablonski D., Crnobrnja – Isailović J., Gherghel I., Lymberakis P. & Poulakakis N. Resolving complex phylogeographic patterns in the Balkan Peninsula using closely related wall-lizard species as a model system. *Molecular Phylogenetics and Evolution*, [125, 100-115](#). (Citations: 34)
- 2017 **Psonis N.**, Antoniou A., Kukushkin V.O., Jablonski D., Petrov B., Crnobrnja – Isailović J., Gherghel I., Sotiropoulos K., Lymberakis P. & Poulakakis N. Hidden diversity in the *Podarcis tauricus* (Sauria, Lacertidae) species subgroup in the light of multilocus phylogeny and species delimitation. *Molecular Phylogenetics and Evolution*, [106, 6-17](#). (Citations: 45)
- 2016 Hedman H.D., Kapsalas G., Karameta E., **Psonis N.**, Poulakakis N., Foufopoulos J. & Pafilis P. First record of *Podarcis peloponnesiacus* (Bibron & Bory, 1833) from outside the Peloponnese. *Herpetozoa* [29 \(3/4\)](#). (Citations: 7)
- 2016 **Psonis N.**, Lymberakis P., Poursanidis D. & Poulakakis N. (2016) Contribution to the study of *Acanthodactylus* (Sauria: Lacertidae) mtDNA diversity focusing on the *A. boskianus* species group. *Mitochondrion* [30, 78–94](#). (Citations: 5)
- 2015 **Psonis N.**, Vardinoyannis K., Mylonas M. & Poulakakis N. (2015) Unraveling the evolutionary history of the genus *Chilostoma* Fitzinger, 1833 (Mollusca, Gastropoda, Pulmonata) in Greece. *Molecular Phylogenetics and Evolution* [91, 210-225](#). (Citations: 11)
- 2015 **Psonis N.**, Vardinoyannis K., Mylonas M. & Poulakakis N. (2015) Evaluation of taxonomy of *Helix cincta* (Muller, 1774) and *Helix nucula* (Mousson, 1854); insights using mitochondrial DNA sequence data. *Journal of Natural History* [49:5-8, 383-392](#). (Citations: 14)

Under review/revision and in preparation

Koptekin D., Yüncü E., Rodríguez-Varela R.*, Altınışık* N.E., **Psonis N.***, Kashuba N., Yorulmaz S., George R., Kazancı D.D., Kaptan D., Gürün K., Vural K.B., Gemici H.C., Vassou D., Daskalaki E., Karamurat C., Lagerholm K.V., Erdal O.D., Kırdök E., Schachner A., Üstündağ H., Shengelia R., Bitadze L., Elashvili M., Stravopodi E., Özbaşaran M., Duru G., Nafplioti A., Rose C.B., Gencer T., Darbyshire G., Çevik O., Vuruşkan O., Büyükkarakaya A.M., Oğuzhanoğlu U., Günel S., Tabakaki E., Aliev A., Ibrahimov A., Shadlinski V., Kılınç G.M., Atakuman C., Stamatakis A., Poulakakis N., Erdal Y.S., Pavlidis P., Stora J., Özer F., Götherström A., & Somel M. Spatial and temporal heterogeneity in human mobility patterns in Holocene Southwest Asia and the East Mediterranean. *Current Biology* (under review).

- **PARTICIPATION ON BOOK WRITING**

Atlas of Amphibians and Reptiles of Greece, BROKEN HILL PUBLISHERS LTD ISBN: 978-9925-588-03-9, January 2020, [PDF](#).

- **PRESENTATIONS IN CONFERENCES & PROCEEDINGS**

First author: 12 out of 19

International: 15 out of 19

2021 **Psonis N.** Vassou D., Tabakaki E., Stravopodi E., & Kafetzopoulos D. Early Bronze Age Aegean genomes from Perachora cave, Corinth, Greece. *27th Annual Meeting of the European Association of Archaeologists (EAA) (Virtual Conference)*, Kiel, 08-11 September.

2021 Theodoridou M., Vassou D., Felicetti A., Tabakaki E., **Psonis N.**, & Kafetzopoulos D., *Forth to the past: Modeling Complex Scientific Ancient DNA Protocols. 27th Annual Meeting of the European Association of Archaeologists (EAA) (Virtual Conference)*, Kiel, 08-11 September.

2021 **Psonis N.** Vassou D., Nicolaou L., Poulakakis N., Roussiakis S., Iliopoulos G., Sfenthourakis S & Kafetzopoulos D. Mitogenomics of the extinct Cyprus dwarf hippopotamus. *Ancient Biomolecules of Plants, Animals, and Microbes (Virtual Conference)*, Wellcome Genome Campus, UK, 29-31 March.

2019 Patramanis I., Tabakaki E., Vassou D., **Psonis N.**, Papadopoulou V., Pavlidis P. & Kafetzopoulos D. Dynamic demographic models for the study of the Second Greek Colonization (8th - 6th century BCE). *International Conference "Reconstructing the Human Past - Using Ancient and Modern Genomics"*, EMBL Heidelberg, Germany, 31 March – 03 April.

2018 Karakasi D, Antoniou A., **Psonis N.**, Gkiokas S., Vardinoyannis K., Mylonas M., & Poulakakis N. Investigating the phylogenetic relationships within the snail genus

- Albinaria*. *Proceedings of the 9th Hellenic Ecological Congress*, [p.47](#), Heraklion, Crete, Greece, 04-07 October, [In Greek].
- 2016 Bougiouri K., Spilani L., Antoniou A., Lymberakis P., **Psonis N.** & Poulakakis N. Examining the Population Structure and Phylogeography of *Podarcis cretensis* in Crete, Greece. *Proceedings of the 9th Symposium on the Lacertids of the Mediterranean Basin & 1st Symposium on Mediterranean Lizards*, [p.9](#), Limassol, Cyprus, 20-23 June.
- 2016 Spilani L., Bougiouri K., Antoniou A., Lymberakis P., **Psonis N.** & Poulakakis N. Molecular Systematics and Species Delimitation of *Podarcis cretensis*, *P. levendis* and *P. peloponnesiacus* of the south Aegean region. *Proceedings of the 9th Symposium on the Lacertids of the Mediterranean Basin & 1st Symposium on Mediterranean Lizards*, [p.36](#), Limassol, Cyprus, 20-23 June.
- 2015 Kotsakiozi P., Antoniou A., Karameta E., **Psonis N.**, Sagonas K., Lymberakis P., Pavlidis P., Stamatakis A. & Poulakakis N. Phylogeography of the *Mediodactylus kotschy* (Reptilia: Gekkonidae) in the Eastern Mediterranean region using ddRAD-tag genomic data. *Proceedings of the 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, [p.57](#), Heraklion, Crete, Greece, 07-11 October.
- 2015 **Psonis N.**, Karameta E., Antoniou A., Kotsakiozi P., Sagonas K., Lymberakis P., Pavlidis P., Stamatakis A. & Poulakakis N. Molecular Phylogeny of the Balkan *Podarcis* (Sauria, Lacertidae) using ddRAD-tag genomic data. *Proceedings of the 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, [p.72](#), Heraklion, Crete, Greece, 07-11 October.
- 2015 **Psonis N.**, Antoniou A., Kukushkin V.O., Petrov B., Crnobrnja – Isailović J., Gherghel I., Jablonski D., Lymberakis P. & Poulakakis N. Investigating the phylogeography and population structure of the *Podarcis tauricus* group. *Proceedings of the 7th Biennial Conference of the International Biogeography Society*, [p.179](#), Bayreuth, Germany, 08-12 January.
- 2014 **Psonis N.**, Dimopoulou A., Lymberakis P., Blosat B., & Poulakakis N. Study of the genetic diversity of *Natrix natrix* (Squamata: Colubridae) in Cyprus. *Proceedings of the 7th Hellenic Ecological Congress*, [p.278](#), Mytilini, Greece, 09-12 October, [In Greek].
- 2013 **Psonis N.**, Dimopoulou A., Kapli P., Lymberakis P., Nikolaou C. & Poulakakis N. The genetic differentiation of the endemic *Hierophis cypriensis* (Squamata: Colubridae) in Cyprus. *Proceedings of the 7th Hellenic Ecological Congress*, [p.277](#), Mytilini, Greece, 09-12 October, [In Greek].

- 2014 **Psonis N.**, Antoniou A., Kukushkin O.V., Petrov B., Crnobrnja – Isailović J, Gherghel I., Jablonski D., Lymberakis P & Poulakakis N. Molecular Phylogeny and phylogeography of the *Podarcis tauricus* group (Sauria, Lacertidae). *Proceedings of the 7th Hellenic Ecological Congress*, [p.174](#), Mytilini, Greece, 09-12 October, [In Greek].
- 2013 **Psonis N.**, Kukushkin V.O., Petrov B., Crnobrnja – Isailović J., Gherghel I., Lymberakis P. & Poulakakis N. Phylogeny and phylogeography of the *Podarcis tauricus* group; insights from mitochondrial and nuclear data. *Proceedings of the SEH 17th European Congress of Herpetology*, [p.157](#), Veszprém, Hungary, 22-27 August.
- 2012 **Psonis N.**, Vardinoyannis K., Mylonas M. & Poulakakis N. Molecular phylogeny of the two “close related” snail genera *Helicigona* & *Campylaea* (Gastropoda: Pulmonata) in Greece. *Proceedings of the 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, [p.128](#), Athens, Greece, 18-22 June.
- 2012 **Psonis N.**, Vardinoyannis K., Mylonas M. & Poulakakis N. Molecular phylogeny of the two “close related” snail genera *Helicigona* & *Campylaea* (Gastropoda: Pulmonata) in Greece. *Proceedings of the 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, [p.128](#), Athens, Greece, 18-22 June.
- 2012 **Psonis N.**, Vardinoyannis K., Mylonas M. & Poulakakis N. Molecular Phylogeny of *Helix cincta* (Muller, 1774) and *Helix nucula* (Mousson, 1854) in the eastern Mediterranean. *Proceedings of the 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*, [p.129](#), Athens, Greece, 18-22 June.
- 2011 Mylonas, M., Vardinoyannis, K., Demetropoulos, S., **Psonis, N.**, Demetropoulos, A. The genus *Turanena* (Gastropoda: Enidae) in the Eastern Mediterranean islands. *Proceedings of the 6th Congress of the European Malacological societies*, Vitoria-Gasteiz, Spain, 18-22 July.
- 2011 **Psonis, N.**, Vardinoyannis, K., Mylonas, M., Poulakakis, N. Incorporation of Genetic Diversity in the Species-Area Relationship: a first approach. *Proceedings of the 5th Biennial Conference of the International Biogeography Society*, [p.175](#), Heraklion, Crete, Greece, 07-11 January.
- **PARTICIPATION IN WORKSHOPS, PRACTICAL COURSES, SEMINARS, LECTURES AND OTHER MEETINGS**
- 2022 Wetlab Workshop on capture enrichment in the context of the European program “NEOMATRIX”, 27 April – 29 April, Stockholm University, Stockholm, Sweden.

- 2021 Workshop on ancient DNA kinship analyses in the context of the European program “NEOMATRIX”, 29 November – 02 December, Foundation for Research and Technology – Hellas (FORTH), Heraklion, Crete, Greece.
- 2020 Webinar “The Ups, Downs, Ins & Outs of Computational Genomics in Anthropology”, 23 November, Online event.
- 2018 Physalia Practical Course on Introduction in Population Genomics, 14 - 18 May, Berlin Botanical Garden, Berlin, Germany.
- 2017 Pre-conference tutorial on Phylogenomics during the 10th Annual Hellenic Bioinformatics Conference, 6-9 September, Foundation for Research and Technology – Hellas (FORTH), Heraklion, Crete, Greece.
- 2014 Workshop on Data Management in the context of the European program “Hellenic Network for Biodiversity Research: Construction and operation of the national Lifewatch research infrastructure (ESFRI)”, 30 June - 2 July, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.
- 2014 EMBO Practical Course on Computational Molecular Evolution, 5 - 14 May, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece
- 2013 Second Metabarcoding Spring School in Crete in the context of MARBIGEN project (FP7-REGPOT-2010-11), 13-17 May, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.
- 2012 Workshop on Next-Generation Sequencing technologies and Informatics tools for studying Marine Biodiversity and Adaptation in the context of MARBIGEN project (FP7-REGPOT-2010-11), 01-03 October, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.
- 2012 Course on The basic principles of Coalescent theory and Applications, in the context of MARBIGEN project (FP7-REGPOT-2010-11), 20-24 February, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.
- 2011 Workshop on Microbial Diversity, Genomics and Metagenomics in the context of MARBIGEN project (FP7-REGPOT-2010-11), 14-16 December, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.
- 2011 Workshop on Genomics in Biodiversity, 16 September 2011, Institute of Marine Biology and Genetics, Hellenic Centre for Marine Research, Gouves, Heraklion, Crete, Greece.

- **TEACHING ACTIVITIES**

- 2019 – 2022 Invited lecturer – “Ancient DNA and applications” lecture in the context of the course New technologies in Environmental Science, Postgraduate M.Sc. Program of Environmental Biology, Biology Department, University of Crete, Greece
- 2021 Lecturer – “A general introduction to ancient DNA analysis” online lecture in the context of the Aegean Seminars for Computational Ecology and Evolution, 28 April.
- 2021 Invited lecturer – “Ancient DNA and applications” online lecture, in the context of seminar series for graduate students of the Department of Biological Sciences, University of Cyprus, Cyprus, 31 March.
- 2018 – 2019 Lecturer – “Principles of Molecular and Cellular Biology” course in the Postgraduate MSc Program of Bioinformatics, Medical School of the University of Crete, Greece
- 2018 Lecturer – “Analysis of ancient DNA” computational practical course in the context of the Aegean Seminars for Computational Ecology and Evolution, Izmir, Turkey, 16-22 September.
- 2018 Lecturer – “Ancient DNA Analysis” workshop in the context of the 26th annual CIDOC - ICOM Conference, Heraklion, Greece, 30 September.
- 2014 Teaching Assistant – “DNA extraction” practical lab course in the context of the course Evolutionary Ecology, University of Crete, Department of Biology, 30 April.
- 2012 Teaching Assistant – “Description of the Respiratory System in Mammals” lecture in the context of the course *Animal Physiology*, University of Crete, Department of Biology, 29 April.

- **SUPERVISION OF GRADUATE AND UNDERGRADUATE STUDENTS**

- 2017 – One (1) Master student (unofficial supervisor) and one (1) Bachelor student. Ancient DNA Lab, IMBB-FORTH, Greece.
- 2012 – 2017 Two (2) Master students and 1-2 Bachelor students per year (unofficial supervisor for all). Molecular Systematics Lab, Natural History Museum of Crete, University of Crete, Greece

- **REVIEWING ACTIVITIES**

Peer-reviewed journal referee in 10 journals (17 reviews)

- 2022 – Journal of Zoological Systematics and Evolutionary Research, 1 review
- 2020 – Communications Biology, 1 review
- 2019 – Zoologica Scripta, 2 reviews
- 2019 – Molecular Ecology, 1 review
- 2018 – Mitochondrial DNA Part A, 1 review
- 2018 – Herpetological Monographs, 1 review
- 2017 – Asian Herpetological Research, 1 review
- 2017 – The European Zoological Journal, 4 reviews
- 2017 – BMC Zoology, 1 review
- 2017 – Russian Journal of Herpetology, 1 review
- 2016 – Molecular Phylogenetics and Evolution, 3 reviews

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2015 Proceedings Editor, 13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, Heraklion, Greece, 07-11 October, 583 authors.
- 2011 Organizing Board Member, 12th Annual Meeting of Master studies in Environmental Sciences of the Biology Department, University of Crete, Chania, Greece, 30 June – 02 July.
- 2011 Organizing volunteer, 9th Annual Meeting of the European Association of Vertebrate Palaeontologists, Heraklion, Greece, 14-19 June.
- 2011 Organizing volunteer, 5th Biennial Conference of the International Biogeography Society, Heraklion, Greece, 07-11 January

- **TRANSLATIONS**

- 2017 Colorbook *Adventures in Archaeological Science*, Christina Warinner (editor), Max Planck Institute for the Science of Human History, 24 November 2017, Jena, Germany, [15 pages](#). [From English to Greek].

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2021 – Member, Research Network “European Association of Archaeologists”
- 2019 – Member, Research Network “Hellenic Evolutionary Society”
- 2014 – Member, Research Network “Hellenic Herpetological Society”
- 2013 – Member, Research Network “Societas Europaea Herpetologica”
- 2011 – 2015 Member, Research Network “International Biogeographical Society”
- 2010 – 2014 Member, Research Network “Hellenic Ecological Society”
- 2009 – 2015 Member, Research Network “Hellenic Zoological Society”

- **LAB SKILLS AND FIELD EXPERIENCE**

Molecular biology wetlab

- Tissue sampling from animals, DNA Extraction, PCR, Sanger Sequencing
- Gene Cloning
- Microsatellite Genotyping
- Genomic (ddRADseq) Illumina “libraries” preparation (Next Generation Sequencing)

Ancient DNA

- *In situ* excavation sampling of biological residues
- Cleanroom processes including handling and processing of archaeological – paleontological biological material, ancient DNA extraction, ancient DNA genomic shotgun double-stranded and single-stranded Illumina “libraries” preparation
- In solution capture – enrichment using *in silico* designed RNA baits

Zoology

- Field sampling of reptiles, amphibians and invertebrates (many expeditions in the Greek mainland area, in Crete and on Ionian and Aegean Islands)
- Morphological identification of reptile and amphibian specimens (collaboration with the Vertebrates lab, Natural History Museum of Crete)

• **COMPUTER SKILLS**

Bioinformatics (see below for list of software)

- Sequence alignment, phylogeny reconstruction, divergence times estimation, species delimitation, biogeographic analyses, statistical tests, model selection, haplogroup network reconstruction
- Population Genetics analyses for the detection of population structure, admixture and demographic events
- Next Generation Sequencing pipeline for genomic (ddRADseq) data and phylogenomic analyses using computer clusters
- Pipeline for ancient DNA data analysis (raw NGS data handling and filtering, mapping to reference genome, damage patterns and contamination estimation, sex determination, kinship detection, molecular identification of species, phenotypic imputation (hair – eyes color), mtDNA and Y-chr haplogroup assignment, ancient pathogen detection via metagenomics, population genomics)

Other software

- Microsoft Office™ (Word, Power Point, Excel)
- Design applications (PhotoShop™, CorelDRAW, Inkscape)
- Statistic applications (SPSS)

- Bibliography organizers (EndNote, ReadCube, Paperpile)

Coding languages

- Moderate knowledge of Unix systems and familiarity with bash scripting
- Basics in Python language
- Some familiarity with R language

List of bioinformatics software

- Molecular phylogenetic and population genetics applications

Adegenet, Arlequin, BayesAss, BEAST, BEAST 2., BP&P, ClustalX, Clump, CLUMPAK, CodonCode Aligner, Dendroscope, DensiTree, Distruct, DNAsp, ExaML, ExaBayes, FinchTV, FigTree, Fstat, Geneland, Genepop, kgtests, Lagrance, MAFFT, MEGA, ML-relate, Modeltest, MrBayes, Network, PAML, PartitionFinder, PAUP, PGDSpider, Phase, Phylocom, pyRAD, RAxML, RASP, Seaview, Sequencher, Sequin, SPLITS, STACEY, TCS, Tracer, TreeView

- Ancient DNA computational tools

AdapterRemoval, AdmixTools, ADMIXTURE, angsd, BCFtools, BEAGLE, BWA, BOWTIE, cutadapt, dice, Dsuite, EAGER, fastq_screen, FastQC, GATK, Haplogrep, HOPS, kraken, KrakenTools, Krona, malt, mapDamage, MaxSSmap, megan, MITObim, plink, PMDtools, preseq, picard, qualimap, READ, SAMtools, schmutzi, seqkit, SeqPrep, seqtk, sequenceTools, Rx_method, Ry_method, Tablet, treemix, vcftools, Yfitter, yhaplo, Yleaf.

• **PERSONALITY**

- Organized
- Independent
- Creative
- Patient
- Co-operative