

Summary

I am an expert in field studies of land ecosystems, I study the ecology and the distribution of mammals and especially rodents (Rodentia) and shrews (Eulipotyphla). I have a degree in Forestry with post-graduate studies in environmental biology. Since 2012 I am a member of the Laboratory of Vertebrates at the Museum of Natural History of Crete. I am responsible for the organization and the enrichment of owl pellets as well as education in the subject of analysis of owl pellets. I am involved in sampling of mammals especially via trapping, collection of pellets, detection of field signs and the use of camera-traps.

I have solid expertise in the use of geographic information systems and the analysis of data regarding distribution and ecology of land mammals.

Personal data

Name	Nikolaos Georgiou Kiamos
Date of birth	12 September 1985
Address	Heraklion, Crete, Greece
Citizenship	Greek, Swedish
Telephone	2810-393257
e-mail	kiamosn@nhmc.uoc.gr

Professional Experience

2021 – 2023 **Rhodope Project** «Application of land based optical and acoustic sensors and the use of information technology to monitor fauna and human activities in protected areas in Greece”
Review of publications on mammals, camera-traps, and the analysis of population and distribution data. Generation of models of possible distribution (MaxEnt) for mammals. Monitoring of mammals with camera-traps.

2018 - 2022 **Life IGIC**
«Improvement of green infrastructure in agroecosystems: reconnecting natural areas by countering habitat fragmentation»
Monitoring of mammals with the use camera-traps with sensors. Monitoring of small mammals by trapping. Monitoring of reptiles with field surveys. Study of the effect of agricultural practices on the population of non-volant vertebrates.

2014-2015 **ATEPE Management of Ecosystems Company**
Monitoring and evaluation of the status of the conservation of species and ecosystems in Greece and the combined evaluation of the results.
Monitoring of small mammals (trapping, field signs). The distribution was examined of the species: *Crocidura zimmermanni*, *Apodemus witherbyi*, *Microtus felteni*, *Myomimus roachi*, *Dryomys nitedula*. Field sampling was carried out in: Evro, Kastoria, Crete, Kos, Rhodes, Trikala, Florina. Characterization of ecosystems.

Education

2016 - today **Ph. D. Student** at the Biology Department, University of Crete.
Thesis project: «Small mammals of Greece: Monitoring of distribution and ecological preferences with the use of geographic information systems and analysis of pellets of *Tyto alba*» .
In the frame of the thesis project:

- I wrote a key for the recognition of cranial characteristics of small mammals of Greece in the collection of NHMC.
- Sampling of pellets was carried out in the regions of : Aitolokarnania, Attica, Arta, Achaia, Drama, Evro, Thessaloniki, Thesprotia, Ioannina, Kavala, Kilkis, Kozani, Xanthi, Rodopi, Serres, Fthiotidas, Florina
- Relevant environmental variables were downloaded and processed using the geographic information system ArcGIS Pro.
- With the use of the programming language “R” Species Distribution Models were generated, utilizing the algorithms Maximum Entropy (Maxent), Random Forest (RF), Multivariate adaptive regressive splines (MARS) and Artificial Neural Networks (ANN)

The project was funded by the action «**1st Call for H.F.R.I. Scholarships to PhD Candidates** » from the Hellenic Foundation for Research and Innovation (H.F.R.I.) and from the Greek Secretariat for Research and Technology, with contract number 1588.

2012-2015 **Masters of Science degree title** “Environmental Biology” Biology Department, University of Crete

- **Rotation 1: Phylogenetic analysis of the species *Apodemus*** (Rodentia) in Greece. Collection of samples in Rhodes, PCR, DNA Sequencing και phylogenetic analysis.
- **Rotation 2:** Application of Freeze-drying for preservation of different organisms
- **Thesis project in population ecology of small mammals.** Collection of samples with the use of traps with the method of catch and release (Pollock’s design) and analysis of the data with the program MARK.

- 2006-2012 Studies at the School of Forestry and Environment, Aristotle University of Thessaloniki for the degree equivalent of Master of Science. Certificate of Informatics.
- **Thesis project** «Effects of stratification and pre-treatment with gibberellic acid on seed germination of *Carpinus betulus* L. και *Carpinus orientalis* L»
- 2003-2004 Studies at Folk High School Birkagarden, Stockholm, Sweden
- 2003 Graduation from 8th High School, Heraklion 8^o

General Experience

- 2017-Today Training and supervision of undergraduate projects on pellet analysis, the study of small mammals, and the implementation of species distribution models.
- 2016-Today Curation of the collection of pellets at the Natural History Museum of Crete (Analysis – Storage – Recording).
- 2014-Today Participation as teaching assistant in educational excursions of the Natural History Museum of Crete for the courses “Fauna of Greece” και “Land ecosystems” of the Biology Department, University of Crete. Teaching students on the collection of small mammals.

Publications

- **Kiamos N.**, Lymberakis P., Rallis G., Poulakakis N. **2019**. Barn Owl (*Tyto alba*) prey in Evros (Greece) and the discovery of a new mammal for the Greek fauna. *Journal of Natural History*. 53 (27-28): 1691-1705
- Kontogeorgos I., **Kiamos N.**, Montiel-Ruiz P., Georgopoulou E., Mylonas M., Xirouchakis S.M. **2019**. Feeding ecology and prey selection by wintering Long-eared Owls *Asio otus* in Mediterranean ecosystems. *Journal of Ornithological Science* 18(1): 95-110
- Pipinis E., Milios E., **Kiamos N.**, Mavrokordopoulou O., Smiris P. **2012**. Effects of stratification and pre-treatment with gibberellic acid on seed germination of two *Carpinus* species. *Seed Science and Technology* 40(1): 21-31

Conferences:

- Kominos Th., Galanaki A, **Kiamos N.**, Bukas N., Gasteratos G., Kountouras S., Giannatos G. **2022**. Past and present of the golden jackal *Canis aureus* in Greece: the evolution of its distribution from the 1970s until today. *3rd International Jackal Symposium. 2-4 November Gödöllő, Hungary. Oral presentation.*
- **Kiamos N.**, Papadovasilakis Z., Poulakakis N., Lymberakis P. **2022**. Greece's Next Micro Model: Species distribution of micromammals. *15th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 12-15 October, Lesvos. Oral presentation.*
- Dhima F., Roumelioti M., Lymberakis P., **Kiamos N.** **2022**. A big threat for the smallest Rodent: Present and future distribution modelling of *Micromys minutus*. *15th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 12-15 October, Lesvos. Poster*
- Achthoforidou G., **Kiamos N.**, Poursanidis D., Lymberakis P. **2022**. Battle of the Shrews: Species distribution modelling of *Crocidura zimmermanni* and *Crocidura suaveolens* in Crete. *15th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 12-15 October, Lesvos. Poster*
- Kominos Th., Galanaki A, **Kiamos N.**, Oikonomakis N., Astaras C, Karmiris I., Youlatos D. **2022**. Spatial distribution of large mammals and human activities in Rhodope Mountain Range using camera traps and field surveys. *15th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 12-15 October, Lesvos. Poster*
- Kominos Th., Galanaki A, **Kiamos N.**, Oikonomakis N., Youlatos D. **2022**. The reintroduction of the Balkan Lynx in Greece: Would it be feasible or not? *Eurolynx Meeting, 10-14 October, Eisenach, Germany. Poster*
- Kominos Th., Galanaki A., Oikonomakis N., **Kiamos N.**, Kontakos D., Lymberakis P., Youlatos D. **2021**. Distribution and habitat use of the wildcat *Felis silvestris* in Greece. *4th Eurowildcat Meeting. 24-26 November Mertola, Portugal. Poster*
- **Kiamos N.**, Kolendrianou M., Lymberakis P. **2021**. *Tyto alba* and the case of *Pelobates balcanicus*. *10th Panhellenic Conference of Ecology. Ioannina, 14-17 October. Oral presentation. Awarded the price «N.S. Margari» for best oral presentation.*
- Restelli M., Anagnostopoulou A., **Kiamos N.**, Georgiakakis P. **2021**. The use of low-cost recording methods for the monitoring of the Chiroptera fauna: examples from the mountain areas Pinovou-Tzena and Agrafa. *10th Panhellenic Conference of Ecology. Ioannina, 14-17 October. Poster*
- **Kiamos N.**, Poulakakis N., Lymberakis P. **2019** Small Mammals of Greece: *Tyto alba* (Scopoli, 1769) pellet analysis and species distribution modelling. *14th*

International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 27-30 June, Thessaloniki. Poster

- Kabourakis E., Kollaros D., Xirouchakis S., Chrysoulakis N., Gkisakis V., Volakakis N., Avramakis E., Vrachnakis T., Poursanidis D., **Kiamos N.**, Dretakis M., Lymperakis P., Probonas M. **2019**. Improvement of green Infrastructure in agroecosystems: reconnecting natural areas by countering habitat fragmentation. *14th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 27-30 June, Thessaloniki. Oral presentation*
- **Kiamos N.**, Poulakakis N., Archontidis T., Giannakou B., Colin M., Concha E., Karapli-Petritsopoulou A., Kourepini, A., Laura J., Petrodaskalaki A., Rallis G., Sarantidi A., Sarafidou G., Syntichaki A. M., Tripidakis E., Lymberakis P. **2018**. The study of small mammals of Greece analysing pellets of *Tyto alba* (Scopoli, 1769). *9th Panhellenic Conference of Ecology, Heraklion, Crete 4-7 October. Oral presentation*
- Pavlidi, N., Dermauw, W., Kampouraki, A., Lyrakis, E., **Kiamos, N.**, Wybouw, N., Van Leeuwen, T., Vontas, I. **2013**. Transcriptomic analysis of the olive fruit fly *Bactrocera oleae*, with emphasis on detoxification genes with a role in resistance to insecticides and/or the ability of the larvae to develop in the olive mesocarp. *7th Panhellenic Entomology Conference, 21-24 October, Kavala. Poster.*

Languages

English very good, level C1, IELTS (2015)

Swedish (mother tongue)

Informatics skills

Certificate of Informatic skills, School of Forestry and Environment, Aristotle University of Thessaloniki 2012.

Programming language «R»

Experienced in ArcGIS Pro