

**CURRICULUM VITAE**

**DR. ARISTEIDIS K. PARMAKELIS**

**DECEMBER 2017**

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## 1. PERSONAL DATA

**Name:** Aristeidis K. Parmakelis  
**Date of birth:** 29-10-1973  
**Place of birth:** Heraklion, Crete, Greece  
**Nationality:** Greek  
**Family status:** Married  
**Home address:** Chaldeias 68, 16777 Elliniko, Attiki, Greece  
**Mobile Phone:** 6972-608355  
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**Lab Web Page:** <https://sites.google.com/site/uameco/>  
**e-mails:** parmakel@gmail.com  
aparmakel@biol.uoa.gr  
**Skype account:** ArisParmakelis

## 2. EDUCATION

**1996: BIOLOGY DEGREE** (1992-1996), Department of Biology, University of Crete. (8.34/10).

**1998: MASTER OF SCIENCE DEGREE** (1996-1998), Department of Biology, University of Crete.  
**Major:** Ecology. (8.89/10).

MASTER THESIS TITLE:

“The differentiation of genus *Mastus* (Beck, 1837) (Gastropoda, Pulmonata: Enidae) in Crete”.  
Supervisor: Prof. Mylonas M.

**2003: PHILOSOPHY DOCTOR DEGREE** (1998-2003), Department of Biology, University of Crete.  
**Major:** Management of terrestrial and marine biological resources. (10/10).

DOCTORATE THESIS TITLE:

“The differentiation of the land snail genus *Mastus* (Beck, 1837) (Gastropoda, Pulmonata, Buliminidae) in the Hellenic region. A comparative approach with the use of morphometric, ecological and molecular methods of analysis”. Supervisor: Prof. Mylonas M.

## 3. FOREIGN LANGUAGES

- English: First Certificate of English, University of Cambridge.

## 4. FELLOWSHIPS-AWARDS

- **1996:** Drettakis Foundation prize for excellence during my undergraduate studies.
- **1997-1999:** Public benefit “Vardinoyanneion” Foundation. (Competitive Fellowship).
- **1998-2000:** Department of Biology, University of Crete.
- **2000-2003:** Public benefit Foundation “Alexander S. Onassis”. (Competitive Fellowship).
- **2005-2006:** Post-doctoral research fellowship (duration: two months) from (DAAD) the German Academic Exchange Service.
- **2005-2006:** Post-doctoral fellowship from the European Social Fund (ESF), Operational

Program for Educational and Vocational Training II (EPEAEK II), Program *PYTHAGORAS* II. (Competitive Fellowship).

- **2006-2008:** Marie Curie post-doctoral fellowship, Marie Curie Actions Outgoing International Fellowship (Human Resources and Mobility, FP6). (Competitive Fellowship).
- **2014-2015:** Fulbright Scholar, Yale University, USA.
- **2014-2016:** Research Scholarship, Public Benefit Foundation “Alexander S. Onassis”.

## 5. PROFESSIONAL AND ACADEMIC APPOINTMENTS

**6/7/1998-12/7/1998:** Instructor in a continuing education program. Natural History Museum of Crete, University of Crete.

**1/2/1999-1/5/1999:** Instructor in a continuing education program. Center of Continuing Education of Crete.

**1/5/2005-28/2/2006:** Post-doctoral researcher. Department of Biology, University of Patras (Greece).

**1/10/2005-28/2/2006:** Lecturer of Zoology (non-tenure track). Department of Biology, University of Crete (Greece).

**1/5/2006-31/1/2008:** Post-doctoral researcher. Yale University and University of Crete.

**5/9/2007-12/9/2012:** Lecturer of Population Ecology (tenure track). Department of Biology, University of Athens.

**12/9/2012-28/6/2017:** Assistant Professor of Biodiversity and Population Ecology (tenure track). Department of Biology, University of Athens.

**29/6/2017-present:** Associate Professor of Biodiversity and Population Ecology (tenured). Department of Biology, University of Athens.

## 6. RESEARCH INTERESTS

### A. RESEARCH INTERESTS

#### *Research on Biodiversity, Biogeography and Evolution*

In the **UAMECO Lab** we are fascinated by the diversity of various animal groups, and we are in a continuous struggle to set their divergence in a temporal and spatial frame. We are in favour of a multifaceted approach of biodiversity, therefore in our studies we try to assess the diversity of the studied taxon in the molecular, morphological and ecological level. With this in mind we usually combine molecular phylogeny, morphometrics, population genetics and ecology into a single holistic approach of the diversity. Most recently, we have included the study of physiological responses as another facet of the diversity exhibited in nature. Aiming at identifying the adaptation mechanism behind the inferred pattern, physiological responses can provide significant insights. The last two years we have moved into the genomics and transcriptomics level. We are implementing next generation sequencing techniques such as ddRAD and transcriptomics. The questions targeted with the use of high throughput sequencing data, pertain the fields of molecular phylogenomics and ecology.

Up to now we have been researching in the ecology, phylogeography, radiation, systematics and ecophysiology of land-snails, lizards, scorpions, spiders, isopods, myriapods and cave crickets. The geographical area that we have been conducting diversity studies has been the eastern Mediterranean. Currently we are also working on the diversity and biogeography of remote oceanic Archipelagos.

#### *Research on vector-borne diseases and insect immunity*

During the last years, we conducted research on the *Anopheles* mosquito. Pinpointing the immunity genes mostly relating to the defence of the mosquito towards the *Plasmodium* was one of our goals. To achieve this, advanced phylogenetic and population genetics methods were implemented on immunity genes sequence data generated from the *Anopheles* species complex that included the two

most important human malaria vectors. Another issue of interest was the molecular identification of the *Anopheles* species that invaded Brazil in the 1930s and caused a severe malaria epidemic.

## B. RESEARCH PROJECTS

### *Before my appointment in the University of Athens*

- 1. 1995-1998:** Gavdos, an island in the southern tip of Europe. **Principal Investigator:** Prof. Mylonas, M., **Position:** Research Associate.
- 2. 1998:** Study for the establishment of an Informational and Educational Environmental Center in the Region of Rodopi Mt. **Principal Investigator:** Prof. Mylonas, M., **Position:** Research associate.
- 3. 1998:** The Exhibition of the Natural History Museum of the University of Crete. **Principal Investigator:** Prof. Mylonas, M., **Position:** Research Associate.
- 4. 2000:** Establishment of an Informational and Educational Environmental Center in Paranesti Dramas (Region of Rodopi Mt.). **Principal Investigator:** Prof. Mylonas, M., **Position:** Research Associate.
- 5. 2001:** Study for the protection of endangered endemic species of southeastern Mediterranean region. European Social Fund, Program Archi-Med, Activity 2.1. **Principal Investigator:** Prof. Mylonas, M., **Position:** Research Associate.
- 6. 2003:** Molecular analysis of the origin and colonization of the island of Crete from extinct species of elephants and deer. Collaboration project between the Department of Ecology and Evolutionary Biology of Yale University, the Peabody Museum of Natural History, the Natural History Museum of Crete and the Department of Biology of the University of Crete. **Principal Investigator:** Prof. Zouros, E. **Position:** Research Associate.
- 7. 2004:** Post-doctoral fellowship (duration 2 months) from the German Academic Exchange Service (DAAD). **Title of research proposal:** Assessing the genetic population structure of two sympatric *Mastus* populations through the use of microsatellite and mtDNA markers. Is natural selection acting upon molecules and morphology in the same way? **Principal Investigator:** Dr. Markus Pfenninger (Senior Researcher, Ecology and Evolutionary Biology, Johann Wolfgang Goethe-Universität Frankfurt am Main). **Position:** Post-doctoral Researcher.
- 8. 2005-2006:** Post-doctoral fellowship. European Social Fund, Program "PYTHAGORAS II". **Title of research proposal:** The effect of habitat fragmentation on the genetic structure of populations: a comparative approach using four species of isopods with different ecological requirements". **Principal Investigator:** Ass. Prof. Sfenthourakis Spyros. **Position:** Post-doctoral Researcher.
- 9. 2006-2007:** Marie Curie post-doctoral fellowship. European Social Fund, Program "Structuring the European Research Area", Activity: "Marie Curie Actions Human Resources and Mobility Outgoing International Fellowships". **Title of research proposal:** Identification of genes controlling the innate immune response in mosquitoes infected with the malaria parasite, *Plasmodium*. **Principal Investigators:** Prof. Louis C. (University of Crete, Greece) and Prof. Powell J.R. (Yale University, USA). **Position:** Post-doctoral Researcher.

### *After my appointment (2007- ) in the University of Athens*

- 10. 2007-2009:** General Secretariat of Research and Technology of Greece, **Matching (European) Funds** project. **Title of research proposal:** "Identification of genes controlling the innate immune response in mosquitoes infected with the malaria parasite, *Plasmodium*". **Position:** Co-PI with Prof. Louis C. (University of Crete). **Budget: 35000 Euros.**
- 11. 2008-2009:** Musée National d'Histoire Naturelle Luxembourg. **Title of research proposal:** "Biodiversity hot-spot North Africa – effects of glacial-interglacial cycles on species richness: The radiation of the *Buthus* species". **Position:** Participation as an external collaborator. **Budget: no funds directed to my lab.**
- 12. 2009-2010:** Program "KAPODISTRIAS", Research Secretariat of the University of Athens. **Title of research proposal:** Patterns of selection in immunity genes related with malaria, in species of the *Anopheles gambiae* complex". **Position:** PI. **Budget: 1700 Euros.**
- 13. 2010-2011:** "John S. Latsis" Public Benefit Foundation. **Title of research proposal:** "The genetic differentiation of the mitochondrial genome and its co-evolution with the nuclear genome as a speciation mechanism in the terrestrial snails of Greece". **Position:** PI. **Budget: 12000 Euros.**

14. **2010-2013:** Foundation for Science and Technology (FCT), Ministry of Science, Technology and Higher Education of Portugal. **Title of research proposal:** “Predicting extinctions on islands: a multi-scale assessment”. **Position:** Participation as an external collaborator. **Budget: 195000 Euros.**
15. **2010-2013:** Foundation for Science and Technology (FCT), Ministry of Science, Technology and Higher Education of Portugal. **Title of research proposal:** "Predicting extinctions on islands: integrating ecology and conservation genetics in a multi-scale assessment". Foundation for Science and Technology (FCT), Ministry of Science, Technology and Higher Education of Portugal. **Position: Co-PI** with Prof. Paulo A.V. Borges (University of the Azores).
16. **2012-2014:** Foundation for Science and Technology (FCT), Ministry of Science, Technology and Higher Education of Portugal. **Title of research proposal:** “Biodiversity on oceanic islands: towards a unified theory”. **Position:** member of the research group with Prof. Paulo A.V. Borges (University of the Azores) as the PI. **Budget: ~100000 Euros.**
17. **2012-2013:** “John S. Latsis” Public Benefit Foundation. **Title of research proposal:** “Species on the brink of extinction”. **Position: Co-PI** with Dr. Kostas Triantis. **Budget: 12000 Euros.**
18. **2014-2016:** Research Scholarships of Public Benefit Foundation “Alexander S. Onassis”. **Title of research proposal:** Sequencing the transcriptome of *Helix aspersa*. **Position: PI. 10.000 Euros.**
19. **2014-2015:** Fulbright Research Scholar Grant. **Title of research proposal:** "Molecular population genomics of the dengue mosquito, *Aedes aegypti*". **7.000 Euros.**

### C. SCIENTIFIC COLLABORATIONS

During my academic and research career, besides my PhD supervisor Prof. Mylonas M., I have developed collaborations with the following (in alphabetical order) researchers and faculty members:

- **Dr. Borges P.A.V.** Azorean Biodiversity Group, *University of the Azores*. **Form of collaboration:** I was the co-PI in a research project funded by the Portuguese Foundation for Science and Technology, supervised by Prof. Borges. All the molecular data generation and analyses was carried out in my lab in Athens. A post-doctoral fellow positioned in my lab, trained and supervised by me, was in charge of the data generation process.
- **Dr. Caccone A.** *Ecology and Evolutionary Biology and Molecular Systematics and Conservation Genetics Lab, Yale University*. **Form of collaboration:** Participation in a joint research project. This collaboration led to the publication of 6 peer-reviewed papers.
- **Dr. Cameron R.A.D.** *Department of Animal and Plant Sciences, University of Sheffield and Department of Zoology and The Natural History Museum, London, UK*. **Form of collaboration:** Participation in a joint research project. This collaboration led to the publication of 2 peer-reviewed papers.
- **Dr. Feher Z.** *Hungarian Museum of Natural History*. **Form of collaboration:** We have been researching in issues relating to the land-snails systematics of the Balkan peninsula. This collaboration led to the publication of 1 peer-reviewed paper.
- **Dr. Fet V.** *Department of Biology, Marhsall University, USA*. **Form of collaboration:** We have been collaborating for many years in research relating to scorpions systematics, phylogeny and biogeography. This collaboration led to the publication of 5 peer-reviewed journal papers. Dr. Fet was hosted in my lab as a **Fulbright scholar** (2012) for a period of four months.
- **Dr. Giokas S.** *Department of Biology, University of Patras*. **Form of collaboration:** We have been collaborating for many years in research quests relating to land snail phylogeny, ecology and morphometrics. More recently we collaborated in a research project funded by the “John S. Latsis” Public Benefit Foundation. This collaboration has led to the publication of a peer-reviewed paper and another one that is currently under review.
- **Dr. Habel J.C.** *Musée National d' Histoire Naturelle, Luxembourg*. **Form of collaboration:** We have been collaborating for many years in research relating to scorpions phylogeny and biogeography. This collaboration led to the publication of 1 peer-reviewed journal papers.
- **Dr. Louis C.** *Department of Biology, University of Crete*. **Form of collaboration:** Dr. Louis was the P.I. of my post-doctoral appointment funded by the European Social Fund through the “Marie Curie Outgoing International Fellowships” activity. Furthermore, we collaborated in issues relating

to my PhD studies. Our collaboration up to this point has led to the publication of 4 peer-reviewed papers.

- **Dr. Pfenninger M.** *Abteilung Ökologie & Evolution, Zoologisches Institut, J.W.Goethe-Universität Frankfurt am Main, BioCampus Siesmayerstraße, D-60054 Frankfurt, Germany.* **Form of collaboration:** Dr. Pfenninger was the P.I. in a short post-doctoral appointment in the *J.W.Goethe-Universität Frankfurt am Main*. This collaboration led to the publication of 1 peer-reviewed paper.
- **Dr. Poulakakis, N.** *Department of Biology, University of Crete.* **Form of collaboration:** We have been collaborating with Dr. Poulakakis in several research projects that were undertaken in the Natural History Museum of Crete. Our collaboration up to this point has led to the publication of several peer-reviewed papers.
- **Dr. Powell J.R.** *Ecology and Evolutionary Biology and Molecular Systematics and Conservation Genetics Lab. Yale University.* **Form of collaboration:** Dr. Powell was the P.I. of my post-doctoral appointment funded by the European Social Fund through the “Marie Curie Outgoing International Fellowships” activity. The post-doctoral research was undertaken in Yale University, USA (14 months) and in the University of Crete, Greece (7 months). This collaboration led to the publication of 4 peer-reviewed papers.
- **Dr. Rand D.** *Ecology and Evolutionary Biology, Brown University, USA.* **Form of collaboration:** Our collaboration is focused on the issue of selection acting on the mitochondrial genomes of land-snails. This collaboration led to the publication of 1 peer-reviewed paper.
- **Dr. Scorilas A.** *University of Athens, Department of Biochemistry and Molecular Biology.* Our collaboration occurred within the frame of a research proposal that was successful and funding was obtained from “Alexander S Onassis” Public Benefit Foundation. The research project relates to the transcriptomics of a land-snail species.
- **Dr. Sfenthourakis S.** *Department of Biology, University of Patras.* **Form of collaboration:** Dr. Sfenthourakis was the P.I. of my post-doctoral appointment funded by the European Social Fund through the Program “PYTHAGORAS-II”. Our collaboration up to this point has led to the publication of 2 peer-reviewed papers.
- **Dr. Simaiakis S.** *Natural History Museum of Crete, University of Crete.* **Form of collaboration:** We have been collaborating for many years in research relating to centipedes and scorpions phylogeny and biogeography. This collaboration led to the publication of 2 peer-reviewed journal papers.
- **Dr. Triantis K.A.** *University of the Azores and Oxford University Center for the Environment (OUCE).* We have been collaborating with Dr. Triantis in several research projects that were undertaken in the Natural History Museum of Crete. Currently we are collaborating in the research project funded by the Portuguese Foundation for Science and Technology, supervised by Prof. Borges. Furthermore, Dr. Triantis has submitted a research proposal requesting a Marie Curie Reintegration Grant, jointly with me. If successful, he will be hosted in my lab in the University of Athens. Our collaboration up to this point has led to the publication of three peer-reviewed papers (one of which is a commentary paper).
- **Dr. Whittaker R.J.** *Oxford University Center for the Environment (OUCE).* **Form of collaboration:** Prof. Whittaker is an external collaborator in the research projects funded by the Portuguese Foundation for Science and Technology, supervised by Prof. Borges. This collaboration led to the publication of 2 peer-reviewed papers.

I have been collaborating with many more researchers, however only the collaborators with who either published records exist or collaboration is currently active (via a funded research project), are presented here.

## 7. TEACHING EXPERIENCE IN UNDERGRADUATE AND POSTGRADUATE LEVEL AND SUPERVISION OF UNDERGRADUATE AND POSTGRADUATE STUDENTS

- *Training Assistant in Under-graduate Lab Courses*

- 1997-1998:** Botany I and Zoology I, Dept. of Biology, University of Crete.  
**1998-2002:** Zoology I, Dept. of Biology, University of Crete.  
**2000-2002:** Ecology, Dept. of Biology, University of Crete.
- ***Instructor in Environmental Training Courses***  
**1998:** Mobility Program “Training and advancement in the contemporary theories of Geology in environmental training”.  
**1999:** Continuing Education Program “Alternative forms of tourism”.
  - ***Supervision of Post-graduate Rotations***  
**2002-2003:** One post-graduate student, Department of Biology, University of Crete.  
**September 2006-January 2007:** One post-graduate student, Department of Ecology and Evolutionary Biology, Yale University.
  - ***Supervision or co-supervision of Under-graduate Thesis***  
**July 2007-October 2009:** co-supervisor of one under-graduate student, Department of Biology, University of Crete.  
**November 2007-present:** supervisor of 22 under-graduate students, Department of Biology, University of Athens.
  - ***Under-graduate Courses (participation as an Instructor)***  
**October 2005-February 2006:** Zoology I (Department of Biology, University of Crete).  
**September 2007-present:** [Terrestrial Ecosystems of Greece, Population Ecology, Principles of Ecology \(Department of Biology, University of Athens\)](#).  
**September 2015-present:** [Evolutionary Biology \(Department of Biology, University of Athens\)](#).
  - ***Post-graduate Courses (participation as an Instructor)***  
**September 2008-present:** Ecological Systems (Department of Biology, University of Athens). Course attended by post-graduate students for a PhD Diploma.  
**September 2009-present:** [The use of informatics in the study of biodiversity \(Department of Biology, University of Athens\)](#). Course attended by post-graduate students for a Master of Science Diploma.  
**September 2015-present:** Teaching chemistry, new educational technologies (Department of Chemistry, University of Athens). Course attended by post-graduate students for a Master of Science Diploma.
  - ***Co-ordinator of Postgraduate Courses***
    1. Evolutionary Ecology
    2. Statistics and Ecological Modelling
    3. Introduction to R and Python
    4. Molecular Ecology
    5. Analyzing Genetic and Genomic Data

These courses (modules) are part of the newly established Master’s program that will run for the first time during the academic year 2017-2018. In these courses, I will serve as the co-ordinator and will also teach a major portion of the modules. The Master’s program is entitled “Ecology and Biodiversity Management” and it is co-ordinated by the Department of Ecology and Taxonomy of the University of Athens.

- ***Supervision of PhD students***
  - A. ***Supervisor of the PhD candidate***
    - **PhD student:** [Katerina Balanika](#), **Thesis Title:** Comparing the composition, the phylogenetic diversity and the functional ecology of isopod communities in terrestrial ecosystems of Cyprus. Ongoing Thesis.
    - **PhD student:** [Paraskevi-Niki Lampri](#), **Thesis Title:** Biodiversity of animal taxa in aquatic ecosystems of the Aegean: status, processes, threats and predictions. Ongoing Thesis.
  - B. ***Member of the Advisory Committee of the PhD candidate***
    - PhD student: Theofanis Karablianis, **Thesis Title:** Biosystematic study of the genus *Crocus* (Iridaceae).



- **PhD student:** [Sofia Terzopoulou](#), **Thesis Title:** Taxonomic, functional and phylogenetic diversity of Azorean Coleoptera: a holistic approach.
- PhD student: Onoufrios Mettouris, **Thesis Title:** Population and behavioural ecology of new species.
- PhD student: Konstantinos Proios, **Thesis Title:** Global biogeographic patterns of insular faunas of gastropods.
- PhD student: Marina Triantafylloy, **Thesis Title:** Diversity of macromycetes from selected ecosystems of Kefallinia.
- PhD student: Xanthi Chantzistroutsiou, **Thesis Title:** Systematics and ecology of selected strains of microalgae of aquatic ecosystems of western Greece.

## 8. SUPERVISION OF POST-DOCTORAL FELLOWS (A), RESEARCH INTERNSHIPS (B) AND HOSTING OF FOREIGN ACADEMIC SCHOLARS (C)

### A. POST-DOCTORAL FELLOWS

1. **Dr. Rego C.**, University of the Azores, Portugal. **Title of research proposal:** “Predicting extinctions on islands: a multi-scale assessment”. The post-doctoral fellow is positioned in my lab in Athens and after having been trained by me, she is responsible for the sequence data generation in the above mentioned project. The project investigates the population genetics of invertebrate species that are in the verge of extinction in the Azorean Archipelago.

2. **Dr. Rigal F.**, University of the Azores, Portugal. **Title of research proposal:** “Predicting extinctions on islands: a multi-scale assessment”. The post-doctoral fellow was positioned in my lab in Athens for a period of six months once in 2012 and once in 2013. The fellow was responsible for the analyses of the genetic and ecological data generated from the above-mentioned project. The fellow was positioned in my lab for a period of six months during 2014 within the frame of the **research project entitled:** “Biodiversity on oceanic islands: towards a unified theory”.

### B. INTERNSHIPS

1. **Bernd Lenzner** (Master Student, Erasmus fellowship), University of Bayreuth, Germany. **Title of research project:** Morphological diversity of land snails across oceanic archipelagos. Advisory committee: Dr. Triantis and Dr. Parmakelis.

2. **Menelia Vasillopoulou-Kampitsi** (Master Student), University of Montpellier, France. **Title of research project:** The phylogeny of the Iuridae in the Eastern Mediterranean region using mtDNA and nuclear markers. Advisor: Dr. Parmakelis.

3. **Nikolett Sziszkosz** (PhD Student, Balassi Institute fellowship), University of Debrecen. **Title of research project:** Phylogeny and phylogeography of eastern Mediterranean scorpion species. Advisor: Dr. Parmakelis.

### C. ACADEMIC SCHOLARS

1. **Professor Victor Fet**, Marshall University, USA. **Title of research project:** Biogeography and Biodiversity of Greece. The scholar was supported by a **Fulbright** scholarship.

## 9. PARTICIPATION IN ADVANCED SEMINARS

- **23/07/06-04/08/2006:** Workshop on Molecular Evolution, Marine Biological Laboratory Woodhole Massachusetts, USA.

- **28/10/2006:** Symposium exploring the impact of 'Bayesian Invasion' on phylogenetic biology, Yale University, New Haven Connecticut, USA.

## 10. INVITED SPEAKER

1. **25/10/2006:** *Western Connecticut State University (WCSU)*, Danbury Connecticut, USA. Lecture within the frame of Biology courses. The seminar was attended by the faculty members, the undergraduate and post-graduate students of the Ecology and Evolutionary Biology of the WCSU.
2. **20/05/2011:** *33<sup>rd</sup> Annual Scientific Conference of the Hellenic Society of Biosciences*, 19-21 May 2011. Edessa, Greece.
3. **04/10/2012:** *Department of Biological Sciences, University of Cyprus*. Lecture within the frame of the post-graduate courses of the Department.

## 11. ADMINISTRATIVE EXPERIENCE

**1995-2000:** Elected representative of the under-graduate (1995-1996) and post-graduate (1996-2000) students of the Department of Biology, University of Crete.

**2007-present:** Member of multiple administrative committees functioning within the Department of Biology, reporting to the Department's head or the General Assembly. (Committee of Bioethics, Committee for the management and allocation of the annual budget of the Department etc).

**2008-present:** Member of the General Assembly of the Department of Biology, University of Athens.

**Oct 2016-today:** Supervising Faculty member (Maintenance and Security issues) of the National and Kapodistrian University Campus in the Zografou city area.

## 12. MEMBER OF (A) SCIENTIFIC PANELS FOR EVALUATING RESEARCH GRANTS PROPOSALS, (B) NATIONAL AND INTERNATIONAL COMMITTEES FOR THE PROTECTION AND MANAGEMENT OF THE ENVIRONMENT, (C) NATIONAL EXAMS COMMITTEE

### A. Scientific Panels

1. 2008-present: State Scholarships Foundation of Greece (ecology panel).
2. 2013: General Secretariat for Research and Technology of Greece (ecology panel).
3. 2013: US-Israel Binational Science Foundation (phylogeny panel).
4. 2012-present: Executive Agency for Higher Education, Research, Development and Innovation Funding of Romania (ecology panel).
5. 2016: Fulbright Foundation Greece (Biology).
6. 2016: University of Patras, Greece. Research Grants «Karatheodoris» (School of Sciences).
7. 2016: National Science Center, Poland (Evolutionary Biology and Ecology).
8. 2017: Research Secretariat for Research, Technological Development and Innovation Actions. Ministry of Education, Research and Religious Affairs.

### B. International and National Committees for the management and protection of the Environments

1. **October 2015-present:** Evaluator of the International Union for the Conservation of Nature (IUCN) for the threat status of European terrestrial mollusks.
2. **February 2014-2017:** Member of the "Natura 2000" Committee. This committee acts as the scientific advisor of the Ministry of Environment on issues relating to the management and protection of the Greek environment. [Publication in the Greek government's Newspaper of the members of the "Natura 2000" committee.](#)

### C. National Committees for the Panhellenic Exams for the admission in Universities and Technological Institutes

1. **June-July-September 2016:** Member of the National Committee for the Panhellenic Exams for the admission in Universities and Technological Institutes. In charge of all Biological courses.

1. **June-July-September 2017:** Member of the National Committee for the Panhellenic Exams for the admission in Universities and Technological Institutes. In charge of all Biological courses.

## 13. MEMBER OF EDITORIAL BOARDS OF PEER-REVIEW JOURNALS

1. 2011-present: Member of the Editorial Board of [Journal of Biogeography](#).

2. 2012-present: Member of the Editorial Board of [ISRN Genetics](#).

3. 2014-present: Member of the Editorial Board of [PLoS One](#).

3. 2012-2013: Guest Editor in Journal of Natural History.

## 14. REVIEWER IN SCIENTIFIC JOURNALS

I have served as a reviewer in the following scientific journals:

<i>American Journal of Tropical Medicine and Hygiene</i>	<i>Arachnologische Mitteilungen</i>
<i>Biochemical Genetics</i>	<i>Biological Journal of the Linnean Society</i>
<i>BMC Evolutionary Biology</i>	
<i>Conservation Genetics</i>	<i>Diversity</i>
<i>Evolution</i>	<i>International Journal of Molecular Sciences</i>
<i>International Journal of Zoological Systematics and Evolutionary Research</i>	<i>Journal of Heredity</i>
<i>Journal of Molluscan Studies</i>	<i>Journal of Natural History</i>
<i>Molecular Ecology</i>	<i>Molecular Phylogenetics and Evolution</i>
<i>ZooKeys</i>	<i>PLoS One</i>
<i>Zootaxa</i>	<i>Journal of Biogeography</i>

The number of manuscripts reviewed so far are close to 45 (January 2017).

## 15. ORGANIZING COMMITTEES OF INTERNATIONAL AND NATIONAL CONGRESSES

1. Member of the Scientific Committee of the 25<sup>th</sup> European Congress of Arachnology. 16-21 August 2009, Alexandroupoli, Greece.
2. Member of the Organizing Committee of the 12th International Congress on Zoology and Ecology of Greece and Adjacent Regions. 18-22 June 2012, Athens, Greece.
3. Member of the Organizing Committee of the 6<sup>th</sup> National Conference of the Hellenic Ecological Society. 4-7 October 2012, Athens, Greece.

## 16. PARTICIPATION IN NATIONAL AND INTERNATIONAL CONGRESSES

1. **1997:** International Congress on Palaearctic Mollusca, Munich, Germany, 1-4 September 1997.
2. **1998:** Proceedings of the International workshop on ecological basis of livestock grazing in Mediterranean ecosystems. Thessaloniki, Greece, 1998.

3. **1999:** 8<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Kavala, Greece, 17-21 May 1999.
4. **1999:** VII European Society of Evolutionary Biology Congress, Barcelona, Spain, 23-28 August 1999.
5. **2001:** World Congress of Malacology 2001, Vienna, Austria, 19-25 August 2001.
6. **2002:** International Symposium: Phylogeography in Southern European Refugia, CECA-ICETA, University of Porto, Vairao, Portugal, 11-15 March 2002.
7. **2002:** 9<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Thessaloniki, Greece, 22-25 May 2002.
8. **2002:** (VI-ICSEB) Sixth International Congress of Systematic and Evolutionary Biology. Biodiversity in the information age. Patras, Greece, 9-16 September 2002.
9. **2004:** 16<sup>th</sup> International Conference in Arachnology. Ghent, Belgium, 2-7 August 2004.
10. **2004:** World Congress of Malacology. Molluscan Megadiversity: Sea, Land and Freshwater. Perth, Western Australia, 11-16 July 2004.
11. **2005:** International Conference on Conservation and Management of Vulture Populations, Thessaloniki, Greece, 17-19 November 2005.
12. **2006:** 10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Patras, Greece, 26-30 June 2006.
13. **2006:** 23<sup>rd</sup> European Colloquium of Arachnology, and VII Jornadas del Grupo Iberico de Aracnologia. Sitges, Catalonia, Spain, 4-8 September 2006.
14. **2006:** 55<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene (ASTMH). Atlanta, USA, 12-16 November 2006.
15. **2006:** 3<sup>rd</sup> Congress of the Hellenic Ecological Society and the Hellenic Zoological Society "Ecology and the Conservation of Biodiversity", Ioannina, Greece, 16-19 November, 2006.
16. **2007:** 3<sup>rd</sup> International Meeting on "Molecular and Population Biology of Mosquitoes and Other Disease Vectors". Kolymbari, Crete, Greece, 13-20 July 2007.
17. **2007:** 56<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene (ASTMH). Philadelphia, USA, 4-8 November 2007.
18. **2008:** 30<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Thessaloniki, Greece, 22-24 May, 2008.
19. **2008:** 14<sup>th</sup> International Congress of Myriapodology. Göerlitz, Germany, 21-25 July 2008.
20. **2008:** 4<sup>th</sup> National Congress "Contemporary trends in the Ecological Science". Volos, Greece, 9-12 October, 2008.
21. **2008:** 57<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, USA, 7-11 December 2008.
22. **2009:** 11<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (11<sup>th</sup> ICZEGAR). Heraklion, Crete, Greece, 21-25 September 2009.
23. **2009:** 25<sup>th</sup> European Congress of Arachnology (25<sup>th</sup> ECA). Alexandroupolis, Greece, 16-21 August 2009.
24. **2009:** 11<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and adjacent regions, Heraklion, Crete, Greece, 21-25 September 2009.
25. **2010:** 32<sup>nd</sup> Annual Scientific Conference of the Hellenic Biosciences Society. Karpenisi, Greece, 20-22 May 2010.
26. **2010:** 5<sup>th</sup> Hellenic Conference of Ecology, "Ecological processes in space and time". Patra, Greece, 4-7 October 2010.
27. **2011:** 5<sup>th</sup> International Conference of the International Biogeography Society, 7-11 January, 2011.
28. **2011:** 33<sup>rd</sup> Annual Scientific Conference of the Hellenic Biosciences Society. Edessa, Greece, 19-21 May 2011.
29. **2012:** 12<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (12<sup>th</sup> ICZEGAR). Athens, Greece, June 2012.
30. **2012:** 6<sup>th</sup> Hellenic Congress of Ecology, "Ecological processes in space and time". Athens, Greece, October 2012.
31. **2013:** 35<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Nafplio, Greece, 23-25 May 2013.
32. **2013:** SEH 17<sup>th</sup> European Congress of Herpetology, 22-27 August 2013, Veszprém, Hungary.

33. **2014:** 36<sup>th</sup> Annual Scientific Conference of the Hellenic Biosciences Society, Ioannina, 8-10 May 2014.
34. **2014:** 9th International Symposium on Terrestrial Isopod Biology, 26-30 June 2014, Poitiers, France.
35. **2014:** 7<sup>th</sup> Hellenic Conference of Ecology, “Ecology, connecting systems, scales and research fields”. Mytilene, 9-12 October 2014.
36. **2014:** 28<sup>th</sup> European Congress of Arachnology, 24-29 August 2014, Torino, Italy.
37. **2015:** International Biogeography Society 7th Biennial Meeting. 8-12 January 2015, Bayreuth, Germany.
38. **2015:** 13<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (13<sup>th</sup> ICZEGAR). 7-11 October 2015, Heraklion, Crete, Greece.
39. **2016:** II International Conference on Island Evolution, Ecology, and Conservation. 18-22 July 2016, University of the Azores at Angra do Heroísmo, Terceira Island, Azores, Portugal.

## 17. THESES AND PUBLICATIONS

### A. THESES

- A.1. **Parmakelis, A., 1998.** Differentiation of the genus *Mastus* (Beck, 1837) (Gastropoda, Pulmonata: Enidae) in Crete. Master Thesis, Dept. of Biology, University of Crete.
- A.2. **Parmakelis, A., 2003.** The differentiation of the land snail genus *Mastus* (Beck, 1837) (Gastropoda, Pulmonata, Buliminidae) in the Hellenic region. A comparative approach with the use of morphometric, ecological and molecular methods of analysis. Doctorate Thesis, Dept. of Biology, University of Crete.

### B. PUBLICATIONS IN PEER REVIEWED JOURNALS

- B.1. **Parmakelis, A., Mylonas, M., 2002.** Aspects of the reproduction and activity of two sympatric *Mastus* (Beck, 1837) species in Crete (Gastropoda: Pulmonata: Buliminidae). *Journal of Molluscan Studies* **68**: 225-234. [Abstract.](#)
- B.2. Cameron, R.A.D., Mylonas, M., Triantis, K., **Parmakelis, A.** and Vardinoyannis, K. 2003. Land snail diversity in a square kilometer of Cretan maquis: modest species richness, high density and local homogeneity. *Journal of Molluscan Studies* **69**: 93-99. [Abstract.](#)
- B.3. **Parmakelis, A., Spanos, L., Papagiannakis, G., Louis, C. and Mylonas, M. 2003.** Mitochondrial DNA phylogeny and morphological diversity in the genus *Mastus* (Beck, 1837). A study in a recent (Holocene) island group (Koufonisi, SE CRETE). *Biological Journal of the Linnean Society* **78**: 383-399. [Abstract.](#)
- B.4. **Parmakelis, A., Mylonas, M. 2004:** Dispersal and population structure of two sympatric species of the Mediterranean land snail genus *Mastus* (Gastropoda, Pulmonata, Buliminidae). *Biological Journal of the Linnean Society* **83**: 131-144. [Abstract.](#)
- B.5. **Parmakelis, A., Pfenninger, M., Spanos, L., Papagiannakis, G., Louis, C., and Mylonas, M. 2005.** Inference of a radiation in *Mastus* (Gastropoda, Pulmonata, Enidae) on the island of Crete. *Evolution* **59**: 991-1005. [Abstract.](#)
- B.6. **Parmakelis, A., Stathi, I., Spanos, L., Louis, C., and Mylonas, M. 2006.** Phylogeography of *Iurus dufourei* (Brullé, 1832) (Scorpioidea, Iuridae). *Journal of Biogeography* **33**: 251-260. [Abstract.](#)
- B.7. Poulakakis, N., **Parmakelis, A., Lymberakis, P., Glaberman, S., Mylonas, M., Zouros, E., and Caccone, A. 2006.** Ancient DNA forces reconsideration of Mediterranean pygmy elephants. *Biology Letters* (doi:10.1098/rsbl.2006.0467). **This publication was marked as HIGHLY ASSESSED among the journal's publications and was presented in the HIGHLIGHTS of NATURE JOURNAL. The first author of this publication received the Emmanouil Benaki prize from the Academy of Athens.** [Abstract.](#)
- B.8. **Parmakelis, A., Stathi, I., Chatzaki, M., Simaiakis, S., Spanos, L., Louis, C., and Mylonas, M. 2006.** Evolution of *Mesobuthus gibbosus* (Brullé, 1832) (Scorpioidea, Buthidae) in the north-eastern Mediterranean region. *Molecular Ecology* **15**: 2883–2894. [Abstract.](#)

- B.9.** Klossa-Kilia, E., Kiliias, G., Sfenthourakis, S., Tryfonopoulos, G., Koukou, K. and **Parmakelis, A.** 2006. Molecular phylogeny of the Greek populations of the genus *Ligidium* (Isopoda, Oniscidea) using three mtDNA gene segments. *Zoologica Scripta* (doi:10.1111/j.1463-6409.2006.00243.x). [Abstract.](#)
- B.10.** Poulakakis, N., **Parmakelis, A.**, Lymberakis, P., Mylonas, M., Zouros, E., Reese, D.S., Glaberman, S., Caccone, A. 2006. It remains a mammoth DNA fragment. A reply to Binladen et al. and Orlando et al. *Biology Letters* (doi:10.1098/rsbl.2006.0555). [Abstract.](#)
- B.11.** Slotman, M.A., **Parmakelis, A.**, Marshall, J., Awono-Ambene, P., Antonio-Nkondjo, C., Simard, F., Adalgisa, C., Powell, J.R. 2007. Patterns of selection in anti-malarial immune genes in malaria vectors: Evidence for adaptive evolution in LRIM1 in *Anopheles arabiensis*. *PLoS One* **2**: e793. [Abstract and full text.](#)
- B.12.** **Parmakelis, A.**, Russello, M.A., Caccone, A., Brisola Marcondes, C., Costa, J., Forattini, O.P., Mureb-Sallum, M.A., Wilkerson, R.C., Powell, J.R. 2008. Historical analysis of a near disaster: *Anopheles gambiae* in Brazil. *American Journal of Tropical Medicine and Hygiene*, **78**: 176-178. [Abstract.](#)
- B.13.** **Parmakelis, A.**, Klossa-Kilia, E., Kiliias, G., Triantis, K.A., Sfenthourakis, S. 2008. Increased molecular divergence of two endemic *Trachelipus* (Isopoda, Oniscidea) species from Greece reveals patterns not congruent with current taxonomy. *Biological Journal of the Linnean Society*, **95**: 361-370. [Abstract.](#)
- B.14.** **Parmakelis, A.**, Slotman, M.A. Marshall, J., Awono-Ambene, P., Antonio-Nkondjo, C., Simard, F., Adalgisa, C., Powell, J.R. 2008. The molecular evolution of four anti-malarial immune genes in the *Anopheles gambiae* species complex. *BMC Evolutionary Biology*, **8**: 79. **This publication was marked as HIGHLY ASSESSED among the journal's publications.** [Abstract and full text.](#)
- B.15.** Abila, P.P., Slotman, M.A., **Parmakelis, A.**, Dion, K.B., Robinson A.S., Muwanika, V.B., Enyaru, J.C.K, Okedi, L.M., Aksoy, S., Caccone, A. 2008. High levels of genetic differentiation between Ugandan *Glossina fuscipes fuscipes* populations separated by lake Kyoga. *PLoS Neglected Tropical Diseases* **2**(5): e242. [Abstract and full text.](#)
- B.16.** Kapli, P., Lymberakis, P., Poulakakis, N., Mantziou, G., **Parmakelis, A.**, Mylonas, M. 2008. Molecular phylogeny of three *Mesalina* species (*M. guttulata*, *M. brevirostris* and *M. bahaeldini*) from North Africa and the Middle East: another case of parphyly? *Molecular Phylogenetics and Evolution*, **49**: 102-110. [Abstract.](#)
- B.17.** Kyriazh, P., Poulakakis, N., **Parmakelis, A.**, Crochet, P., Moravec, J., Rastegar-Pouyani, N., Tsigenopoulos, C., Magoulas, A., Mylonas, M., Lymberakis, P. 2008. Mitochondrial DNA reveals the genealogical history of the Snake-eyed lizards (*Ophisops elegans* and *O. occidentalis*) (Sauria: Lacertidae). *Molecular Phylogenetics and Evolution*, **49**: 795-805. [Abstract.](#)
- B.18.** Poulakakis, N., Antoniou, A., Mantziou, G., **Parmakelis, A.**, Skartsi, T., Vasilakis, D., Elorriaga, J., De la Puentes, J., Gavashelishvili, A., Ghasabyan, M., Katzner, T., McGrady, M., Batbayar, N., Fuller, M., Natsagdorj, T. 2008. Population structure, diversity, and phylogeography in the near-threatened Eurasian black vultures *Aegypius monachus* (Falconiformes; Accipitridae) in Europe: insights from microsatellite and mitochondrial DNA variation. *Biological Journal of the Linnean Society*, **95**: 859-872. [Abstract.](#)
- B.19.** Triantis, K.A., **Parmakelis, A.**, Cameron, R.A.D. 2009. Understanding fragmentation: snails show the way. *Journal of Biogeography*, DOI 10.1111/j.1365-2699.2009.02211.x. [Abstract.](#)
- B.20.** **Parmakelis, A.**, Moustaka, M., Poulakakis, N., Louis, C., Slotman, M.A., Marshall, J.C., Awono-Ambene, P.H., Antonio-Nkondjo, C., Simard, F., Caccone, A., Powell, J.R. 2010. *Anopheles* immune genes and amino acid sites evolving under the effect of positive selection. *PLoS ONE* **5**(1): e8885. doi:10.1371/journal.pone.0008885. [Abstract and full text.](#)
- B.21.** Chiari, Y., Dion, K., Colborn, J., **Parmakelis, A.**, Powell, J.R. 2010. On the possible role of tRNA base modifications in the evolution of codon usage: Queuosine and *Drosophila*. *Journal of Molecular Evolution*. DOI 10.1007/s00239-010-9329-z. [Abstract.](#)
- B.22.** Louvrou, I., Danielidis, D.B., **Parmakelis, A.**, Economou-Amilli, A., 2011. Proposal to conserve the name *Detonia* Freng. (*Bacillariophyceae*) against *Detonia* Sacc. (*Ascomycetes*). *Taxon*, **60**: 1768-1769. [Abstract.](#)
- B.23.** Kotsakiozi, P., **Parmakelis, A.**, Giokas, S., Papanikolaou, I., Valakos, E.D. 2012. Mitochondrial phylogeny and biogeographic history of the Greek endemic land-snail genus *Codringtonia* Kobelt



- 1898 (Gastropoda, Pulmonata, Helicidae). *Molecular Phylogenetics and Evolution*, 62: 681-692. [Abstract](#).
- B.24.** Simaiakis, S., Dimopoulou, A., Mitrakos, A., Mylonas, M., **Parmakelis, A.** 2012. The evolutionary history of the Mediterranean centipede *Scolopendra cingulata* (Latreille, 1829) (Chilopoda: Scolopendridae), across the Aegean archipelago. *Biological Journal of the Linnean Society*, 105: 507–521. [Abstract](#).
- B.25.** Habel, J.C., Husemann, M., Schmitt, T., Zachos, F.E., Honnen, A-C., Petersen, B., **Parmakelis, A.**, Stathi, I. 2012. Microallopatry caused strong diversification in *Buthus* scorpions (Scorpiones: Buthidae) in the Atlas Mountains (NW Africa). *PLoS ONE* 7(2): e29403. doi:10.1371/journal.pone.0029403. [Abstract and full text](#).
- B.26.** Radea, C., **Parmakelis, A.**, Mourikis, T., Triantis, K. 2013. *Isimerope*, a new genus of Hydrobiidae (Caenogastropoda, Hydrobiidae) from Greece. *Journal of Molluscan Studies*, 79: 168-176. [Abstract](#).
- B.27.** **Parmakelis, A.**, Kotsakiozi, P., Rand, D. 2013. Animal mitochondria, positive selection and cyto-nuclear coevolution: insights from pulmonates. *PLoS ONE* 8(4): e61970. [Abstract and full text](#).
- B.28.** **Parmakelis, A.**, Balanika, K., Terzopoulou, S., Rigal, F., Beasley, R.R., Jones, K.L., Lance, S.L., Whittaker, R.J., Triantis, K.A., Borges, P.A.V. 2013. Development of 28 polymorphic microsatellite markers for the endemic Azorean spider *Sancus acoreensis* (Araneae, Tetragnathidae). *Conservation Genetics Resources*, 5: 1133–1134. [Abstract](#).
- B.29.** **Parmakelis, A.**, Kotsakiozi, P., Tropea, G., Yağmur, E.A., Stathi, I., Fet, V., Soleglad, M.E. 2013. DNA markers confirm presence of *Euscorpium avcii* Tropea et al., 2012 (Scorpiones: Euscorpiidae) on Samos Island, Greece. *Euscorpium*, 161: 1-6. [Full text download \(PDF\)](#).
- B.30.** Kotsakiozi, P., Rigal, F., Valakos, E.D. and **Parmakelis, A.** 2013. Disentangling the effects of intraspecies variability, phylogeny, space, and climate on the evolution of shell morphology in endemic Greek land snails of the genus *Codringtonia*. *Biological Journal of the Linnean Society*, 110: 796-813. [Abstract](#).
- B.31.** **Parmakelis, A.**, Kotsakiozi, P., Stathi, I., Poulikarakou, S., Fet, V. 2013. Hidden diversity of *Euscorpium* (Scorpiones: Euscorpiidae) in Greece revealed by multilocus species-delimitation approaches. *Biological Journal of the Linnean Society*, 110: 728-748. [Abstract](#).
- B.32.** Fehér, Z., **Parmakelis, A.**, Koutalianou, M., Mourikis, T., Eröss, Z.P., Krízsic, V. 2013. A contribution to the phylogeny of Albanian *Agathylla* (Gastropoda, Clausiliidae): insights using morphological data and three mitochondrial markers. *Journal of Molluscan Studies*, doi: 10.1093/mollus/eyt039. [Abstract](#).
- B.33.** Fet, V., Soleglad, M.E., **Parmakelis, A.**, Kotsakiozi, P., Stathi, I. 2013. Three more species of *Euscorpium* confirmed for Greece (Scorpiones: Euscorpiidae). *Euscorpium*, 165: 1-27. [Full text download \(PDF\)](#).
- B.34.** Fet, V., Soleglad, M.E., **Parmakelis, A.**, Kotsakiozi, P., Stathi, I. 2013. A new species of *Euscorpium* from Tinos Island, Greece (Scorpiones: Euscorpiidae). *Revista Iberica de Aracnologia*, 23: 3-10. [Abstract](#).
- B.35.** Radea, C., **Parmakelis, A.**, Papadogiannis, V., Charou, D., Triantis, K. 2013. The hydrobioid freshwater gastropods (Caenogastropoda: Rissosoidea) of Greece: new records, taxonomic reassessments using DNA sequence data and an update of the IUCN Red List Categories. *ZooKeys*, 350: 1-20. [Abstract and full text](#).
- B.36.** Tropea, G., Fet, V., **Parmakelis, A.**, Kotsakiozi, P., Stathi, I. 2013. A new species of *Euscorpium* Thorell, 1876 from Peloponnese, Greece (Scorpiones: Euscorpiidae). *Euscorpium*, 169: 1–11. [Full text download \(PDF\)](#).
- B.37.** Tropea, G., **Parmakelis, A.**, Sziszkosz, N., Balanika, K., Bouderkka, A. 2014. A new species of *Euscorpium* Thorell, 1876 from Naples Province, Italy (Scorpiones: Euscorpiidae). *Euscorpium*, 182: 1-12. [Full text download \(PDF\)](#).
- B.38.** Sagonas, K., Poulakakis, N., Lymberakis, P., **Parmakelis, A.**, Pafilis, P., Valakos, E.D. 2014. Molecular systematics and historical biogeography of the green lizards (*Lacerta*) in Greece: insights from mitochondrial and nuclear DNA. *Molecular Phylogenetics and Evolution*, 76: 144-154. [Abstract](#).

- B.39.** Kotsakiozi, P., **Parmakelis, A.**, Aggeli, I.K., Gaitanaki, C., Giokas, S., Valakos, E.D. 2014. Water balance and expression of heat-shock proteins 70 in *Codringtonia* species, a study within a phylogenetic framework. *Journal of Molluscan Studies*. doi: 10.1093/mollus/eyu042. [Abstract](#).
- B.40.** Fet V., Soleglad M.E., **Parmakelis A.**, Kotsakiozi P. & Stathi I. 2014. Two new species of *Euscorpium* from Euboea Island, Greece (Scorpiones: Euscorpiidae). *Arthropoda Selecta*, 23: 111-126. [Abstract](#).
- B.41.** Tropea G., Fet V., **Parmakelis A.**, Kotsakiozi P., Stathi I. 2014. Three new species of *Euscorpium* (Scorpiones: Euscorpiidae) from Greece. *Euscorpium*, 190: 1–22. [Full text download \(PDF\)](#).
- B.42.** Christodoulou M., Meletiou-Christou M-S., **Parmakelis A.**, Economou-Amilli A., & Pantazidou A. 2015. Further findings from Daveli Cave (Attica, Greece) enhancing the establishment of the genus *Oculatella* (Pseudanabaenaceae, Cyanobacteria). *Phytotaxa*, 202: 169–184. [Abstract](#).
- B.43.** Tropea G., Fet V., **Parmakelis A.**, Kotsakiozi P., Stathi I. 2015. A new species of *Euscorpium* (Scorpiones: Euscorpiidae) from southern Bulgaria. *Arachnologische Mitteilungen*, 49: 10-20. [Abstract and full text](#).
- B.44.** Radea C., **Parmakelis A.**, Velentzas A.D., Triantis K.A. 2015. Systematics of *Pseudamnicola* (Gastropoda: Hydrobiidae): description of two new species from insular Greece and re-description of *P. pieperi* Schuett, 1980. *Journal of Molluscan Studies*, 82: 67-79. [Abstract](#).
- B.45.** Tropea G., Fet V., **Parmakelis A.**, Kotsakiozi P., Stathi I. 2015. A new species of *Euscorpium* from Bulgaria and Greece (Scorpiones: Euscorpiidae). *Euscorpium*, 207: 1-15. [Full text download \(PDF\)](#).
- B.46.** **Parmakelis A.**, Rigal F., Mourikis T., Balanika K., Terzopoulou S., Rego C., Amorim I.R., Crespo L., Pereira F., Triantis K.A., Whittaker R.J., Borges P.A.V. 2015. Comparative phylogeography of endemic Azorean arthropods. *BMC Evolutionary Biology*, 15: 250. [Abstract and full text](#).
- B.47.** Kornilios P., Thanou E., Kapli P., **Parmakelis A.**, Chatzaki M. 2016. Peeking through the trapdoor: historical biogeography of the Aegean endemic spider *Cyrtocarenum* Ausserer, 1871 with an estimation of mtDNA substitution rates for Mygalomorphae. *Molecular Phylogenetics and Evolution*, 98: 300-313. [Abstract](#).
- B.48.** Triantis K.A., Rigal F., Parent C.E., Cameron R.A.D., Lenzner B., **Parmakelis A.**, Yeung N.W., Alonso M.R., Ibáñez M., de Frias Martins A.M., Teixeira D.N.F., Griffiths O.L., Yanes Y., Hayes K.A., Preece R.C., Cowie R.H. 2016. Discordance between morphological and taxonomic diversity: land snails of oceanic archipelagos. *Journal of Biogeography*. [On line Early](#).
- B.49.** Tropea G., Yağmur E.A., Karampatsou L., **Parmakelis A.**, Yeşilyurt F. 2016. A new species of *Euscorpium* Thorell, 1876 from Mount Honaz in southwestern Turkey (Scorpiones: Euscorpiidae). *Euscorpium*, 222: 1-14. [Full text download \(PDF\)](#).
- B.50.** Kotsakiozi P., **Parmakelis A.**, Konstantakis A., Valakos E.D. 2016. Climatic conditions driving a part of changes in the biochemical composition in land snails: insights from the endangered *Codringtonia* (Gastropoda, Pulmonata). *The Biologia*, 71: 903-916. [Abstract](#).
- B.51.** Tropea, G., Yağmur, E.A., **Parmakelis, A.**, Kunt, K.B. 2016. Another new species of *Euscorpium* Thorell, 1876 from the Taurus Mountains in Antalya Province, southern Turkey (Scorpiones: Euscorpiidae). *Euscorpium*, 231: 1-15. [Full text download \(PDF\)](#).
- B.52.** Chantzistroutsiou, X., Tzovenis, I., **Parmakelis, A.**, Economou-Amilli, E. 2016. Characterization of *Tetrasmis verrucosa* f. *rubens* (Chlorodendrophyceae) strains from coastal lagoons of Western Greece using a multivariate approach. *Phytotaxa*, DOI: <http://dx.doi.org/10.11646/phytotaxa.278.3.3>.
- B.53.** Lamprinou, V., Christodoulou, M., Hernandez-Marine, M., **Parmakelis, A.**, Economou-Amilli, E. 2016. *Spelaeonaias* gen. nov., a new true-branched cyanobacterium from Cave Vlychada (Diros, Peloponnese, Greece). *Phytotaxa*, DOI: <http://dx.doi.org/10.11646/phytotaxa.282.3.1>.
- B.54.** Radea, C., **Parmakelis, A.**, Giokas, S. 2016. *Myrtoessa hyas*, a new valvatiform genus and a new species of the Hydrobiidae (Caenogastropoda, Truncatelloidea) from Greece. *Zookeys*, 640: 1-18. [Abstract and full text](#).
- B.55.** Borges, P.A.V., Gaspar, C., Crespo, L., Rigal, F., Cardoso, P., Pereira, F., Rego, C., Amorim, I.R., Melo, C., Aguiar, C., André, G., Mendonça, E., Ribeiro, S.P., Hortal, J., Santos, A.M., Barcelos, L., Enghoff, H., Mahnert, V., Pita, M.T., Ribes, J., Baz, A., Sousa, A.B., Vieira, V., Wunderlich, J., **Parmakelis, A.**, Whittaker, R.A., Quartau, J.A., Serrano, A.R.M. & Triantis, K.A. 2016. New records and detailed distribution and abundance of selected arthropod species collected between



- 1999 and 2011 in Azorean native forests. *Biodiversity Data Journal* 4: e10948. [Abstract and full text.](#)
- B.56.** Tropea, G., Fet, V., **Parmakelis, A.**, Kotsakiozi, P., Stathi, I. 2017. Redescription of *Euscorpius tauricus* (C.L. Koch, 1837), with the description of two new related species from Greece (Scorpiones: Euscorpiidae). *Ecological Montenegrina*, 7: 614-638. [Abstract and full text.](#)
- B.57.** Thanou, E., Kornilios, P., Poursanidis, D., **Parmakelis, A.**, Arnedo, M., Chatzaki, M. 2017. Exploring the role of within-island ecogeographical factors: insights from the genetic diversity of Cretan trap-door spiders (*Cyrtocarenum cunicularium*, Ctenizidae, Araneae). *Invertebrate Systematics*, In Press.
- B.58.** Borda-de-Água, L., Whittaker, R.J., Cardoso, P., Rigal, F., Santos, A.M.C., Amorim, I.R., **Parmakelis, A.**, Triantis, K.A., Pereira, H.M., Borges, P.A.V., 2017. Dispersal ability determines the scaling properties of species abundance: a case study using arthropods from the Azores. *Scientific Reports*, 7: 3899. DOI:10.1038/s41598-017-04126-5. [Abstract.](#)
- B.59.** **Parmakelis, A.**, Kotsakiozi, P., Kontos C.K., Adamopoulos, P.G., Scorilas, A., 2017. The transcriptome of a "sleeping" invader: de novo assembly and annotation of the transcriptome of aestivating *Cornu aspersum*. *BMC Genomics*, 18:491. [Abstract and full text.](#)

### C. PUBLICATIONS IN CONGRESSES' PROCEEDINGS WITH REVIEW

- C.1.** **Parmakelis, A.**, Vardinoyannis, K., Mylonas, M., 1997. Evaluation of the taxonomic characters of the genus *Mastus* (Beck, 1837) (Gastropoda, Pulmonata, Enidae). *Heldia* 5:46.
- C.2.** Tsiourlis, G.M., Kasapidis, P., **Parmakelis, A.**, and Dretakis, M. 1998. Effects of grazing on the structure of phryganic ecosystems in the Asterousia mountain of Crete, Greece. In: V.P. Papanastasis & D. Peter (eds.). **Proceedings of the International workshop on ecological basis of livestock grazing in Mediterranean ecosystems**. Thessaloniki, Greece: 94-97.
- C.3.** Slotman, M.A., **Parmakelis, A.**, Marshall, J.C., Awono-Ambene, P., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2006. Patterns of selection in genes implicated in the immune response of anopheline vectors against malaria. *American Journal of Tropical Medicine and Hygiene*, 75: 264.
- C.4.** Slotman, M.A., **Parmakelis, A.**, Marshall, J.C., Poulakakis, N., Awono-Ambene, P., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2007. Patterns of selection on anti-malarial immune genes: adaptive evolution in *LRIMI* in *Anopheles arabiensis*. 2008. *American Journal of Tropical Medicine and Hygiene*, 77: 250.
- C.5.** Slotman, M.A., **Parmakelis, A.**, Poulakakis, N., Dion, K.B., Marshall, J.C., Antonio-Nkondjio, C., Awono-Ambene, P., Simard, F., Caccone, A., Powell, J.R. 2008. The evolution of anti-malarial immune genes in the *Anopheles gambiae* complex. *American Journal of Tropical Medicine and Hygiene*, 79: 201.

### D. ORAL OR POSTER PRESENTATIONS IN NATIONAL AND INTERNATIONAL CONGRESSES

- D.1.** **Parmakelis, A.**, Kotoulas, G., Mylonas, M., 1999: The path is no longer foggy for the land snails of the genus *Mastus* (Gastropoda, Pulmonata, Enidae). 8<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Kavala, 17-21 May 1999. (Poster).
- D.2.** **Parmakelis, A.**, Giokas, S., Mylonas, M., 1999: Cladistic analysis of morphological and molecular characters of *Mastus* (Gastropoda, Pulmonata, Enidae). VII European Society of Evolutionary Biology Congress, Barcelona, Spain, 23-28 August 1999. (Poster).
- D.3.** **Parmakelis, A.**, Mylonas, M., 2001: Molecular phylogeny of the genus *Mastus* (Gastropoda, Pulmonata, Buliminidae). World Congress of Malacology 2001, Vienna, Austria, 19-25 August 2001. (Oral presentation).
- D.4.** **Parmakelis, A.**, Mylonas, M., Spanos, E., Papagiannakis, G., 2002. The effects of historical processes on the genetic and morphological diversity: an example from the genus *Mastus* (Gastropoda, Pulmonata, Buliminidae). International Symposium: Phylogeography in Southern European Refugia, CECA-ICETA, University of Porto, Vairao, Portugal, 11-15 March 2002. (Poster).

- D.5. Parmakelis, A.,** Mylonas, M., 2002: Population structure, density, habitat preference, burrowing and migratory activity of two sympatric land snail species of the genus *Mastus* (Gastropoda, Pulmonata, Enidae) from Crete. 9<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Thessaloniki, 22-25 May 2002. (Oral presentation).
- D.6. Parmakelis, A. &** Mylonas, M. 2002. Molecular and morphological differentiation of the genus *Mastus* (Gastropoda: Pulmonata: Buliminidae). (VI-ICSEB) Sixth International Congress of Systematic and Evolutionary Biology. Biodiversity in the information age. Patras, 9-16 September 2002. (Oral presentation).
- D.7. Stathi, I., Parmakelis, A. and** Mylonas, M. 2004. «The evolutionary footsteps of scorpions in the Aegean». 16th International Conference in Arachnology. Ghent, Belgium, 2-7 August 2004. (Oral presentation).
- D.8. Mylonas, M., Giokas, S., Parmakelis, A.,** Triantis, K., Vardinoyannis, K. 2004. Evolution and diversity of land snails in a laboratory of nature: the Aegean Archipelago. World Congress of Malacology. Molluscan Megadiversity: Sea, Land and Freshwater. Perth, Western Australia, 11-16 July 2004. (Oral presentation).
- D.9. Poulakakis, N., Mantziou, G., Antoniou, A., Parmakelis, A.,** Skartsi, Th., Vasilakis D., Elorriaga J., de la Puente J., Gavashelishvili A., Ghasabyan M., Katzner T., McGrady M., Batbayar N., Fuller M., Natsagdorj T. 2005. Using microsatellite markers to infer the genetic structure of *Aegypius monachus* (Aves: Accipitridae). International Conference on Conservation and Management of Vulture Populations, Thessaloniki, Greece. (Oral presentation).
- D.10. Parmakelis, A., Klossa-Kilia, E., Kiliyas, G.,** Sfenthourakis S. 2006. Genetic divergence between populations of three terrestrial isopod species with different niche breadth. 10<sup>th</sup> International Congress on the Zoogeography and Ecology of Greece and Adjacent regions (ICZEGAR), Patras, 26-30 June 2006. (Oral presentation).
- D.11. Stathi, I., Parmakelis, A., Simaiakis, S.,** Louis, C., Mylonas, M. 2006. The evolutionary history of the north-eastern Mediterranean scorpion species *Mesobuthus gibbosus* and *Iurus dufourei*. 23rd European Colloquium of Arachnology, and VII Jornadas del Grupo Iberico de Aracnologia, Sitges, Catalonia, Spain, 4-8 September 2006. (Oral presentation).
- D.12. Parmakelis, A., Triantis, K., Kiliyas, G.,** Klossa-Kilia, E., Sfenthourakis, S. 2006. Patterns of genetic diversity between populations of species of differing ecological niche breadth. 3<sup>rd</sup> Congress of the Hellenic Ecological Society and the Hellenic Zoological Society “Ecology and the Conservation of Biodiversity”, Ioannina, Greece, 16-19 November, 2006. (Oral presentation).
- D.13. Slotman, M.A., Parmakelis, A.,** Marshall, J.C., Awono-Ambene, P., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2006. Patterns of selection in genes implicated in the immune response of anopheline vectors against malaria. 55<sup>th</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene (ASTMH). Atlanta, USA, 12-16 November 2006. (Poster).
- D.14. Slotman, M.A., Parmakelis, A.,** Marshall, J.C., Poulakakis, N., Awono-Ambene, P., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2007. Patterns of selection in anti-malarial immune genes in the *Anopheles gambiae* complex: Evidence for positive selection in LRIM1 in *An. arabiensis*. 3<sup>rd</sup> International Meeting on “Molecular and Population Biology of Mosquitoes and Other Disease Vectors”. Kolymbari, Crete, Greece. 13-20 July 2007. (Oral presentation).
- D.15. Slotman, M.A., Parmakelis, A.,** Marshall, J.C., Poulakakis, N., Awono-Ambene, P., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2007. Patterns of selection on anti-malarial immune genes: adaptive evolution in *LRIM1* in *Anopheles arabiensis*. 56<sup>th</sup> Annual Meeting of the American Society for Tropical Medicine and Hygiene. Philadelphia, USA, 4-8 November 2007. (Poster).
- D.16. Moustaka, M., Parmakelis, A.,** Louis, C. 2008. Patterns of selection in the immunity genes of *Anopheles gambiae* species complex. 30<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Thessaloniki, Greece, 22-24 May, 2008. (Oral presentation).
- D.17. Dimopoulou, A., Parmakelis, A.,** Simaiakis, S., Mylonas, M. 2008. Preliminary results on the phylogeography of *Scolopendra cingulata* in the Aegean Archipelago. 14<sup>th</sup> International Congress of Myriapodology. G erlitz, Germany, 21-25 July 2008. (Poster).

- D.18.** Dimopoulou, A., **Parmakelis, A.**, Simaiakis, S., Mylonas, M., 2008. The phylogeography of *Scolopendra cingulata* in the Aegean Archipelago. 4<sup>th</sup> National Congress “Contemporary trends in the Ecological Science”. Volos, Greece, 9-12 October, 2008. (Oral presentation).
- D.19.** Kotsakiozi, P., **Parmakelis, A.**, Giokas, S., Pafilis, P., Valakos, E. 2008. Eco-physiological adaptations of the Helicidae (Gastropoda, Pulmonata) under severe environmental conditions. Environment or phylogeny? 4<sup>th</sup> National Congress “Contemporary trends in the Ecological Science”. Volos, Greece, 9-12 October, 2008. (Oral presentation).
- D.20.** Dimopoulou, A., Mitrakos, A., Simaiakis, S., Mylonas, M., **Parmakelis, A.** 2009. The phylogeography of *Scolopendra cingulata* (Chilopoda, Scolopendridae) in Greece. 11<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (11<sup>th</sup> ICZEGAR). Heraklion, Crete, Greece, 21-25 September 2009. (Oral presentation).
- D.21.** Pachi, M., Poulidakarou, P., Simaiakis, S., Mylonas, M., **Parmakelis, A.** 2009. Insights into the evolutionary history of *Scolopendra cretica* (Chilopoda, Scolopendridae) in the island of Crete. 11<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (11<sup>th</sup> ICZEGAR). Heraklion, Crete, Greece, 21-25 September 2009. (Poster).
- D.22.** Kotsakiozi, P., Papanicolaou, E., **Parmakelis, A.**, Giokas, S., Pafilis, P., Valakos, E.D. 2009. The phylogeny of the endemic land snail genus of Greece *Codringtonia* (Gastropoda, Pulmonata) based on mtDNA sequence data. 11<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (11<sup>th</sup> ICZEGAR). Heraklion, Crete, Greece, 21-25 September 2009. (Poster).
- D.23.** Poulidakarou, S., Mplazakis, I., **Parmakelis, A.**, Stathi, I., Fet, V., Mylonas, M. 2009. Insights into the molecular phylogeny of *Euscorpius* (Scorpiones, Euscorpiidae) in Greece. 25<sup>th</sup> European Congress of Arachnology (25<sup>th</sup> ECA). Alexandroupolis, Greece, 16-21 August 2009. (Oral presentation).
- D.24.** Kotsakiozi, P., Papanicolaou, I., **Parmakelis, A.**, Giokas, S., Valakos, E.D. Levels of mtDNA divergence in the species of the genus *Codringtonia* (Gastropoda, Pulmonata). 32<sup>nd</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Karpenisi, Greece, 20-22 May 2010. (Oral presentation).
- D.25.** **C. Rego, C.**, K. A. Triantis, A. Parmakelis, R. Whittaker, F. Rigal, L. Crespo, F. Pereira & P.A.V. Borges “Predicting extinction risk in island endemics: integrating ecology and conservation genetics. XIV Congreso Ibérico de Entomología, 1-4 September 2010, Lugo, Spain. (Poster).
- D.26.** Kotsakiozi, P., **Parmakelis, A.**, Konstantakis, A., Giokas, S., Valakos, E.D. The relation of water content and resistance to desiccation with the distributional range of the *Codringtonia* species (Gastropoda, Pulmonata, Helicidae). 5<sup>th</sup> Hellenic Congress of Ecology, “Ecological processes in space and time”, 4-7 October 2010, Patras, Greece. (Oral presentation).
- D.27.** Kotsakiozi, P., **Parmakelis, A.**, Giokas, S., Valakos, E.D. Water balance and morphological constraints in relation to distributional patterns in a land snail genus of Greece. Thermal Adaptation Science Meeting, “Evolutionary and plastic responses of animal growth to different temperatures: adaptations and constraints. 28-30 April, 2011, Tartu, Estonia. (Poster).
- D.28.** Kotsakiozi, P., **Parmakelis, A.**, Giokas, S., Valakos, E.D. The shell differentiation of the genus *Codringtonia* and its relation to phylogeny and the environment. 33<sup>rd</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Edessa, Greece, 19-21 May 2010. (Oral presentation).
- D.29.** Mourikis, A., Lampri, P-N., Triantis, K.A., Rego, C., Crespo, L., Pereira, F., Borges, P.A.V., **Parmakelis, A.** The phylogeography of the endemic spider species *Savigniorrhypis acoreensis* (Arachnida, Linyphiidae) in the Azorean Archipelago. 33<sup>rd</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Edessa, Greece, 19-21 May 2010. (Oral presentation).
- D.30.** **Parmakelis A.**, Kotsakiozi P., Poulidakarou S., Stathi I., Fet V. Ancient scorpions of Greece: DNA phylogeny of *Euscorpius* (Scorpiones, Euscorpiidae). 12<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (12<sup>th</sup> ICZEGAR). Athens, Greece, June 2012. (Poster).
- D.31.** Kotsakiozi P., **Parmakelis A.**, Aggeli I.K., Gaitanaki K., Giokas S., Valakos E. Expression of Heat Shock proteins and resistance to desiccation in *Codringtonia* species (Gastropoda, Pulmonata, Helicidae). 6<sup>th</sup> Hellenic Congress of Ecology, “Ecological processes in space and time”. Athens, Greece, October 2012. (Poster).

- D.32.** Mourikis, T., Rego, C., Tsintzoura, I., Rigal, F., Terzopoulou, S., Triantis, K.A., Borges, P.A.V., Whittaker, R.J, Crespo, L., Pereira, F., **Parmakelis, A.** Phylogeography of endemic arthropod species of the Azorean Archipelago. XV Congreso Ibérico de Entomología, 2-6 September 2012, Terceira, Azores, Portugal. (Oral presentation).
- D.33.** Sitara K., Kotsakiozi P., **Parmakelis A.** Shell differentiation of the genus *Mastus* in Crete with the use of geometric morphometrics. 35<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Nafplio, Greece, 23-25 May 2013. (Oral presentation).
- D.34** Michou, A., Pyri, I., **Parmakelis, A.**, Gonou-Zagou, Z. Morphological and molecular analyses of strains of the mycophilic fungus *Mycogone* in Greece. 35<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Nafplio, Greece, 23-25 May 2013. (Oral presentation).
- D.35** Pitsili, E., Andriopoulos, P., **Parmakelis, A.**, Arianoutsou-Faraggitaki, M. Genetic diversity of the endemic to Attica plant species *Asperula baenitzii* Heldr. ex. Boiss. 35<sup>th</sup> Annual Scientific Congress of the Hellenic Society of Biological Sciences, Nafplio, Greece, 23-25 May 2013. (Oral presentation).
- D.36.** Sagonas, K., Poulakakis, N., Lymberakis, P., **Parmakelis, A.**, Pafilis, P., Valakos, E.D. 2013. Phylogenetic relationships and phylogeography of the genus *Lacerta* in Greece. SEH 17<sup>th</sup> European Congress of Herpetology, 22-27 August 2013, Veszprém, Hungary. (Poster).
- D.37.** Karampatsou, L., Yağmur, E.A., Fet, V., Kotsakiozi, P., Soleglad, M.E., Terzopoulou, S., Balanika, K., Vasilopoulou-Kampitsi, M., Voutsela, A., **Parmakelis, A.** Molecular phylogeny of Iuridae (Scorpiones: Iurida: Iuroidea) in the eastern Mediterranean. 36<sup>th</sup> Annual Scientific Conference of the Hellenic Biosciences Society, Ioannina, 8-10 May 2014. (Oral presentation).
- D.38.** Kotsakiozi, P., Voutsela, A., **Parmakelis, A.**, Firbas, P., Giokas, S., Valakos, E.D. Phylogeny or adaptation? The case of Helicidae. 36<sup>th</sup> Annual Scientific Conference of the Hellenic Biosciences Society, Ioannina, 8-10 May 2014. (Oral presentation).
- D.39.** Balanika, K., **Parmakelis, A.**, Sfenthourakis S. The diversification of isopods in Cyprus. 9th International Symposium on Terrestrial Isopod Biology, 26-30 June 2014, Poitiers, France. (Poster).
- D.40.** Kornilios, P., **Parmakelis, A.**, Kapli, P., Chatzaki, M. Preliminary results of the phylogenetic structure of the spiders of the genus *Cyrtocarenum* (Ctenizidae, Araneae) in the Aegean region. 7<sup>th</sup> Hellenic Conference of Ecology, “Ecology, connecting systems, scales and research fields”. Mytilene, 9-12 October 2014. (Poster).
- D.41.** Bardani, E., Pyri, I., **Parmakelis, A.**, Gonou-Zagou, Z. Morphological and molecular study of the mycetophilus Ascomycetes of Greece. 7<sup>th</sup> Hellenic Conference of Ecology, “Ecology, connecting systems, scales and research fields”. Mytilene, 9-12 October 2014. (Oral presentation).
- D.42.** Karampatsou, L., Kotsakiozi, P., Terzopoulou, S., Balanika, M., Stathi, I., **Parmakelis, A.** Phylogeography of *Euscorpius candiota* (Scorpiones, Euscorpiidae) in Crete. 7<sup>th</sup> Hellenic Conference of Ecology, “Ecology, connecting systems, scales and research fields”. Mytilene, 9-12 October 2014. (Poster).
- D.43.** Fet, V., Tropea, G., Soleglad, M.E., Yağmur, E.A., **Parmakelis, A.**, Kotsakiozi, P., Stathi, I., Graham, M.R., Webber, M.M., Blagoev, G. The Euroscorpion revisited: not-so-cryptic diversity of *Euscorpius* (Scorpiones: Euscorpiidae). 28<sup>th</sup> European Congress of Arachnology, 24-29 August 2014, Torino, Italy. (Oral presentations).
- D.44.** Rigal, F., Amorim, I.R., Santos, A.M.C., Borges, P.A.V., Triantis, K.A., Whittaker, R.J., Borda-de-Água, L., Hortal, J., Emerson, B.C., **Parmakelis, A.** Global patterns of diversification on oceanic islands. International Biogeography Society 7th Biennial Meeting. 8-12 January 2015, Bayreuth, Germany. (Poster).
- D.45.** Triantis, K.A., Rigal, F., Parent, C.E., Cameron, R.A.D., Lenzner, B., **Parmakelis, A.**, Yeungh, N.W., Ibáñez, M., de Frias Martins, A.M., Teixeira, D.N.F., Hayes, K.A., Alonso, M.R., Griffiths, O.L., Preece, R.C., Cowie, R.H. Morphological and taxonomical diversity patterns of oceanic archipelagos. International Biogeography Society 7th Biennial Meeting. 8-12 January 2015, Bayreuth, Germany. (Poster).
- D.46.** Balanika, K., Sfenthourakis, S., **Parmakelis, A.** The oniscid fauna of Cyprus and a preliminary phylogeographic analysis of *Armadillo officinalis* (Duméril, 1816). 13<sup>th</sup> International Congress of

- on the Zoogeography and Ecology of Greece and adjacent regions (13<sup>th</sup> ICZEGAR). 7-11 October 2015, Heraklion, Crete, Greece. (Poster).
- D.47.** Karampatsou, L., Stathi, I., **Parmakelis, A.** The evolutionary history of *Euscorpium candiota* complex (Scorpiones, Euscorpiidae). 13<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (13<sup>th</sup> ICZEGAR). 7-11 October 2015, Heraklion, Crete, Greece. (Poster).
- D.48.** Lampri, P.N., Radea, C., Triantis, K.A., **Parmakelis, A.** Insular lineages of freshwater molluscs of Greece, are they limited, undersampled or newly emerged? A quest using molecular phylogenies. 13<sup>th</sup> International Congress of on the Zoogeography and Ecology of Greece and adjacent regions (13<sup>th</sup> ICZEGAR). 7-11 October 2015, Heraklion, Crete, Greece. (Poster).
- D.49.** Triantis, K.A., Kougioumoutzis, K., Legakis, A., Lymberakis, P., Trichas, A., Simaiakis, S., Andriopoulos, P., Georgiadis, C., **Parmakelis, A.**, Anastasiou, G., Probonas, N., Spaneli, V., Trigas, P., Sfenthourakis, S. The biogeographical regions of the Aegean archipelago (Greece). II International Conference on Island Evolution, Ecology, and Conservation. 18-22 July 2016, University of the Azores at Angra do Heroísmo, Terceira Island, Azores, Portugal. (Poster).
- D.50.** Terzopoulou, S., **Parmakelis, A.**, Amorim, I.R., Rigal, F., Whittaker, R.J., Borges, P.A.V., Triantis, K.A. On the phylogenetic diversity of Azorean beetles. II International Conference on Island Evolution, Ecology, and Conservation. 18-22 July 2016, University of the Azores at Angra do Heroísmo, Terceira Island, Azores, Portugal. (Poster).
- D.51.** Lampri, P.N., Radea, C., Bouranta, Ch., **Parmakelis, A.** The freshwater snails of Crete: an updated list of native and invasive species. 10th Symposium for European Freshwater Sciences. 02-07 July 2017, Olomouc, Czech Republic. (Poster).
- D.52.** Vounta, A., Lampri, P.N., **Parmakelis, A.** A preliminary assessment of the freshwater diversity of beetles in the Greek islands. 10th Symposium for European Freshwater Sciences. 02-07 July 2017, Olomouc, Czech Republic. (Poster).

#### E. ARTICLES UNDER REVIEW IN PEER REVIEWED JOURNALS

Currently none.

#### F. RESEARCH PAPERS IN PREPARATION\*

- F.1.** Pachi, M., Poulikarakos, P., Simaiakis, S., Mylonas, M. & **Parmakelis, A.** Insights into the evolutionary history of *Scolopendra cretica* (Chilopoda, Scolopendridae) in the island of Crete.
- F.2.** Parmakelis, A., Karampatsou, L., Stathi, I. The phylogeography of *Euscorpium candiota* using mitochondrial and nuclear sequences.
- F.3.** Parmakelis, A., Dimitriadou, D., Yağmur, E.A., Fet, V. The phylogeny of the eastern Mediterranean Iurids.

**\*In this section, only research papers for which the data have already been produced/collected and the manuscripts are partially or completed drafted, are being presented.**

#### G. EDITING AND TRANSLATION OF BOOKS

- G.1.** **Fuentes, A.** *Biological Anthropology*. 2013. 2<sup>nd</sup> American edition, 1<sup>st</sup> Greek edition. Valakos, E., Papageorgopoulou, C., Pavlakis, P. (eds). I participated in the translation and editing of chapter 4 entitled: Modern Evolutionary Theory.

#### H. SEMINAR NOTES AND OTHER TEACHING MATERIALS FOR UNDERGRADUATE COURSES

- H.1.** **Parmakelis, A.** Zoology notes. Anatomy of a land snail. Department of Biology, University of Crete. **Laboratory Notes.**

- H.2. Parmakelis, A.** Zoology notes. Platyelminths, Aschelminths and other worm-like organisms. Department of Biology, University of Crete. **Laboratory Notes.**
- H.3. Parmakelis, A., 2007.** «Population Ecology notes». 6th semester, Faculty of Biology, University of Athens. **Course and Laboratory Notes.**
- H.4. Parmakelis, A., 2007.** «Terrestrial Ecosystems of Greece» notes. 8th semester, Faculty of Biology, University of Athens. **Course and Laboratory Notes.**
- H.5. Parmakelis, A., 2009.** «General Ecology» notes. 4th semester, Faculty of Biology, University of Athens. **Course and Laboratory Notes.**
- H.6. Parmakelis, A., 2007.** «Introduction to Biology» notes. 1st semester, Faculty of Biology, University of Athens. **Laboratory Notes.**
- H.7. Parmakelis, A., 2015.** «Evolutionary Biology» notes. 8th semester, Faculty of Biology, University of Athens. **Course and Laboratory Notes.**

#### I. OTHER SCIENTIFIC PUBLICATIONS

- I.1.** Papageorgiou N., **Parmakelis, A.**, Stathi, I., Tsekoura, Z., Chatzaki, M., 2001. Recording the species of economic importance (non-cultivated) in the south Aegean region. ARCHI-MED: Activity 2.1. In Greek.

### 18. IMPACT FACTORS OF PUBLISHED RESEARCH PAPERS

Table of Impact Factors (JCR) of published papers.

Article	Journal Title	Publication Year	Author position	2016
B.1	<i>Journal of Molluscan Studies</i>	2002	*1 <sup>st</sup> / 2	1.362
B.2	<i>Journal of Molluscan Studies</i>	2003	4 <sup>th</sup> / 5	1.362
B.3	<i>Biological Journal of the Linnean Society</i>	2003	*1 <sup>st</sup> / 5	2.264
B.4	<i>Biological Journal of the Linnean Society</i>	2004	*1 <sup>st</sup> / 2	2.264
B.5	<i>Evolution</i>	2005	*1 <sup>st</sup> / 6	4.612
B.6	<i>Journal of Biogeography</i>	2006	*1 <sup>st</sup> / 5	4.590
B.7	<i>Biology Letters</i>	2006	2 <sup>nd</sup> / 7	3.248
B.8	<i>Molecular Ecology</i>	2006	*1 <sup>st</sup> / 7	6.494
B.9	<i>Zoologica Scripta</i>	2006	*6 <sup>th</sup> / 6	3.224
B.10	<i>Biology Letters</i>	2006	2 <sup>nd</sup> / 7	3.248
B.11	<i>PLoS One</i>	2007	2 <sup>nd</sup> / 8	3.234
B.12	<i>American Journal of Tropical Medicine and Hygiene</i>	2008	*1 <sup>st</sup> / 9	2.699
B.13	<i>Biological Journal of the Linnean Society</i>	2008	*1 <sup>st</sup> / 5	2.264
B.14	<i>BMC Evolutionary Biology</i>	2008	*1 <sup>st</sup> / 8	3.368
B.15	<i>PLoS Neglected Tropical Diseases</i>	2008	1 <sup>st</sup> / 10	4.446
B.16	<i>Molecular Phylogenetics and Evolution</i>	2008	5 <sup>th</sup> / 6	3.916
B.17	<i>Molecular Phylogenetics and Evolution</i>	2008	3 <sup>rd</sup> / 10	3.916
B.18	<i>Biological Journal of the Linnean Society</i>	2008	4 <sup>th</sup> / 15	2.264
B.19	<i>Journal of Biogeography</i>	2009	2 <sup>nd</sup> / 3	4.273
B.20	<i>PLoS One</i>	2010	*1 <sup>st</sup> / 11	3.234
B.21	<i>Journal of Molecular Evolution</i>	2010	4 <sup>th</sup> / 5	1.680
B.22	<i>Taxon</i>	2011	3 <sup>rd</sup> / 4	3.299
B.23	<i>Molecular Phylogenetics and Evolution</i>	2012	*2 <sup>nd</sup> / 5	3.916
B.24	<i>Biological Journal of the Linnean Society</i>	2012	*5 <sup>th</sup> / 5	2.264
B.25	<i>PLoS One</i>	2012	7 <sup>th</sup> / 8	3.234
B.26	<i>Journal of Molluscan Studies</i>	2013	2 <sup>nd</sup> / 4	1.362
B.27	<i>PLoS One</i>	2013	*1 <sup>st</sup> / 3	3.234
B.28	<i>Conservation Genetics Resources</i>	2013	*1 <sup>st</sup> / 10	1.172

B.29	<i>Euscorpius</i>	2013	*1 <sup>st</sup> /7	0.000
B.30	<i>Biological Journal of the Linnean Society</i>	2013	4 <sup>th</sup> /4	2.264
B.31	<i>Biological Journal of the Linnean Society</i>	2013	*1 <sup>st</sup> /5	2.264
B.32	<i>Journal of Molluscan Studies</i>	2013	2 <sup>nd</sup> /6	1.362
B.33	<i>Euscorpius</i>	2013	3 <sup>rd</sup> /5	0.000
B.34	<i>Revista Iberica de Aracnologia</i>	2013	3 <sup>rd</sup> /5	0.000
B.35	<i>Zookeys</i>	2013	2 <sup>nd</sup> /5	0.933
B.36	<i>Euscorpius</i>	2013	3 <sup>rd</sup> /5	0.000
B.37	<i>Euscorpius</i>	2014	2 <sup>nd</sup> /5	0.000
B.38	<i>Molecular Phylogenetics and Evolution</i>	2014	4 <sup>th</sup> /6	3.916
B.39	<i>Journal of Molluscan Studies</i>	2014	2 <sup>nd</sup> /6	1.362
B.40	<i>Arthropoda Selecta</i>	2014	3 <sup>rd</sup> /5	0.000
B.41	<i>Euscorpius</i>	2014	3 <sup>rd</sup> /5	0.000
B.42	<i>Phytotaxa</i>	2015	3 <sup>rd</sup> /5	1.318
B.43	<i>Arachnologische Mitteilungen</i>	2015	3 <sup>rd</sup> /5	0.000
B.44	<i>Journal of Molluscan Studies</i>	2015	2 <sup>nd</sup> /4	1.362
B.45	<i>Euscorpius</i>	2015	3 <sup>rd</sup> /5	0.000
B.46	<i>BMC Evolutionary Biology</i>	2015	*1 <sup>st</sup> /12	3.368
B.47	<i>Molecular Phylogenetics and Evolution</i>	2016	4 <sup>th</sup> /5	3.916
B.48	<i>Journal of Biogeography</i>	2016	5 <sup>th</sup> /16	4.590
B.49	<i>Euscorpius</i>	2016	4 <sup>th</sup> /5	0.000
B.50	<i>Biologia</i>	2016	2 <sup>nd</sup> /4	0.719
B.51	<i>Euscorpius</i>	2016	3 <sup>rd</sup> /4	0.000
B.52	<i>Phytotaxa</i>	2016	3 <sup>rd</sup> /4	1.318
B.53	<i>Phytotaxa</i>	2016	4 <sup>th</sup> /5	1.318
B.54	<i>Zookeys</i>	2016	2 <sup>nd</sup> /3	0.938
B.55	<i>Biodiversity Data Journal</i>	2016	25 <sup>th</sup> /29	0.000
B.56	<i>Ecological Montenegrina</i>	2017	3 <sup>rd</sup> /5	0.000
B.57	<i>Invertebrate Systematics</i>	2017	4 <sup>th</sup> /6	2.155
B.58	<i>Scientific Reports</i>	2017	7 <sup>th</sup> /10	4.259
B.59	<i>BMC Genomics</i>	2017	*1 <sup>st</sup> /5	3.729
B.60	<i>Folia Malacologica</i>	2017	2 <sup>nd</sup> /4	0.000
<b>Total</b>				127.534
<b>Mean (Total/46)</b>				2.772

\* Articles in which I have served as the corresponding author.

## 19. CITATION RECORDS OF PUBLISHED RESEARCH PAPERS

- Citations: **866**, h-index: **18** ([Google Scholar](#), Oct 2017).
- Citations not including self-citations or co-author citations: **540** (**July 2016**).

## 20. A QUICK SUMMARY OF RESEARCH AND ACADEMIC RECORDS

- ✓ Presently: Associate Professor, Department of Ecology and Taxonomy, Faculty of Biology, National and Kapodistrian University of Athens
- ✓ Presently: Research Associate, Yale University, Department of Ecology and Evolution.
- ✓ Fellow of the “Vardinoyanneion” Public Benefit Foundation (Competitive fellowship)
- ✓ Fellow of the “Alexander S. Onassis” Public Benefit Foundation (Competitive fellowship)
- ✓ Fellow of DAAD (Competitive fellowship)

- ✓ Marie Curie Fellow (Outgoing Fellowships, USA-Yale University) (2005-2006) (Competitive fellowship)
- ✓ Fulbright Scholar (USA, 2014-2015) (Competitive scholarship)
- ✓ [60](#) publications in international journals
- ✓ [896 citations](#), (Google Scholar, December 2017), [h-Index = 19](#) (Google Scholar, December 2017)
- ✓ **10 years** of academic teaching and mentoring in under- and post-graduate level
- ✓ Supervisor of one PhD student
- ✓ Supervisor of 22 undergraduate students (7 active)
- ✓ Member of the advisory committee of 7 PhD candidates (two completed)
- ✓ Supervisor of two foreign post-doctoral fellows, 3 internship undergraduate students and one Fulbright Scholar (USA)
- ✓ [Editorial Board Member in three international research journals, Guest Associate Editor in one international research journal](#)
- ✓ Reviewer in more than **20** international research journals
- ✓ Reviewer of research proposals in four foreign and four national funding sources
- ✓ [4873](#) sequences submissions in genetic data bases (GenBank of NCBI)
- ✓ **1** TRANSCRIPTOME submission (*Cornu aspersum*, Transcriptome Shotgun Assembly project deposited at DDBJ/EMBL/GenBank under the accession GFHY00000000)
- ✓ **52** announcements (oral/poster presentations from the P.I. or collaborating members) in international and national conferences
- ✓ **10** competitive research projects
- ✓ A total research funding record of **414000** Euros
- ✓ Several collaborators in US, UK, Portuguese, Cyprus, Italian, Spanish, Belgian, Hungarian and Turkish Universities
- ✓ Numerous collaborations with Greek researchers and academics
- ✓ Member of the [Centre of Ecology, Evolution and Environmental Changes](#) (Ce3C).

## 21. OTHER SCIENTIFIC ACTIVITIES

1. Member of the Hellenic Zoological Society.
2. Member of the Hellenic Ecological Society.
3. Member of the “Friends of the Natural History Museum of Crete” Society.
4. Member of the International Biogeography Society.
5. Member of the [Centre of Ecology, Evolution and Environmental Changes](#) (Ce3C) of Portugal.
6. IUCN assessor and reviewer for land-snails.