

Panagiotis Kornilios, Biologist PhD

Curriculum Vitae – September 2022

Contact Information

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1. PERSONAL INFORMATION

Place & date of birth: Athens, Greece - 24 May 1979
Nationality: Greek (with British citizenship)
Marital status: Married
Languages: Greek (excellent - Certificate of Proficiency– CPE)

2. SHORT BIO & SUMMARY

1998–2002: Biology student (Biology Department, University of Patras, Greece)
2003–2004: Career break: Mandatory military service (Hellenic Army)
2004–2005: Working in biological diagnostics (private sector - [MEDISYN](#)), Athens, Greece
2005–2007: MSc studies (Biology Department, University of Crete, Greece)
State Scholarships Foundation fellow (SSF - IKY)
Lab manager of the diagnostics lab MEDISYN in Heraklion, Crete (2005-2006)
2008–2012: PhD candidate (Biology Department, University of Patras, Greece)
State Scholarships Foundation fellow (SSF - IKY) (2008-2009)
2012–2022: Postdoctoral Associate (Biology Department, University of Patras, Greece)
2013: National Geographic Society Grantee – Principal Investigator ([Research Link](#))
2013–2015: Freelance Researcher - Work in biodiversity assessment and monitoring research programs
2014–2015: Postdoctoral Researcher (EXCELLENCE II), Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece - [SPIDOnetGR](#)
2016–2019: Postdoctoral Marie Skłodowska-Curie Fellow (HORIZON 2020) - [COPHYMED page](#), [EU CORDIS page](#)
1st Phase (2016-2018): Biology Department, University of Washington, Seattle, USA
2nd Phase (2018-2019): Institut de Biologia Evolutiva (IBE), Barcelona, Spain
2020–2021: Postdoctoral State Scholarships Foundation fellow (SSF - IKY)
2021–2022: Lecturer (Biology Department, University of Patras)
Undergraduate course “Evolution”
Postgraduate course “Special issues in Evolution”
2022: Assitant Professor of Evolutionary Biology Biology Department, University of Patras

3. POSTDOCTORAL RESEARCH

2020-2021: *Life in the Dark: Speciation Mechanisms and Evolutionary Convergence and Divergence in Subterranean Organisms*. Grant number: 18103. Call: Greek State Scholarships Foundation (SSF- IKY) - Support to postdoctoral researchers - 2nd Cycle (MIS 5033021). Funding Agency: Co-financed by Greece and the European Union (European Social Fund- ESF) through the Operational Programme “Human Resources Development, Education and Lifelong Learning 2014- 2020. Host Institution: Biology Department, University of Patras.

2016-2019: *Comparative Phylogeography of a Megadiverse Fauna across the Mediterranean..* Acronym: CO-PHY-MED. Call: Marie Skłodowska-Curie - H2020-MSCA-IF-2014_GF, Global Fellowships. Funding Agency: European Council - Horizon 2020. Host Institution: Outgoing Phase (2016-2018): Biology Department, University of Washington, Seattle, USA. Incoming Phase (2018-2019): Institut de Biologia Evolutiva (IBE), Barcelona, Spain.

WebPage: [CO-PHY-MED webpage](#)

CORDIS Article: [CORDIS “Results in Brief”](#)

2014-2015: *SPIDOnetGR: Spinning or speeding the web? Accelerating biodiversity research using ground spiders as ambassadors of Greek arthropod hotspots*. Call: Action “EXCELLENCE II”. Funding Agency: European Social Fund (ESF) and National Resources, under the Operational Program “Education and Lifelong Learning”. Host Institution: The MBG Lab of Systematics, Department of Molecular Biology and Genetics, Democritus University of Thrace (Greece). Project Leader: Prof. M Chatzaki.

WebPage: [SPIDOnetGR](#)

2013 *Assessing the impact of climate change on the Eurasian blindsnake's diversification in Anatolia*. Funding Agency: National Geographic Society.

WebPage: [Anatolia-NGS](#)

4. PARTICIPATION IN OTHER FUNDED PROGRAMMES (INDICANT)

2014-2015: Monitoring and evaluating the conservation status of reptile and amphibian species protected under the Habitats Directive, in Greece. Institution: Greek Herpetological Society. Project Leader: Prof. P. Pafilis. Funding Agency: Greek Ministry of Environment, Energy and Climate. Position: Researcher-herpetologist.

2014-2015: Monitoring and evaluating the conservation status of the herpetofauna and mammal fauna of the Kotychi-Strofylia National Park. Institution: University of Patras (Greece). Project Leader: Prof. S. Giokas. Funding Agency: Management Agency of the National Park of Kotychi-Strofylia. Position: Principal Investigator.

2013-2015: Monitoring and evaluating the status of lagoon, lake and river systems of the Mesolonghi – Etoliko Lagoon National Park. Institution: University of Patras

(Greece). Project Leader: Prof. G. Ferentinos. Funding Agency: Management Agency of the National Park Mesolonghi–Etoliko Lagoon. Position: Principal Investigator.

5. PUBLICATIONS

5A. DISSERTATIONS

A1. 2012: PhD Dissertation Title: “Contribution to the study of phylogeography in the eastern Mediterranean: the case of the fossorial snake *Typhlops vermicularis* Merrem 1820”. Supervisors: B. Chondropoulos, S. Fraguedakis-Tsolis, S. Giokas (Biology Department, University of Patras, Patras, Greece) [[PDF](#) in Greek]

A2. 2007: MSc Dissertation Title: “Phylogeography of *Chalcides ocellatus* (Sauria: Scincidae) in the Mediterranean, using molecular methods”. Supervisors: M. Mylonas, P. Lymberakis (Biology Department, University of Crete – Natural History Museum of Crete, Heraklion, Greece). [[PDF](#) in Greek]

5B. PEER-REVIEWED PUBLICATIONS IN SCI JOURNALS

B30. Thanou E, Kypraios-Skrekas V, **Kornilios P**, Giokas S (2021). Ecomorphological divergence and lack of gene-flow in two sympatric Balkan slow-worms (Squamata: Anguidae). *Zoological Journal of the Linnean Society*, 134(2): 443-460. [[PDF](#)]

B29. Candan K, **Kornilios P**, Ayaz D, Kumlutaş Y, Gül S, Yıldırım Caynak E, Ilgaz Ç (2021). Cryptic genetic structure within Valentin’s lizard, *Darevskia valentini* (Boettger, 1892) (Squamata, Lacertidae), with implications for systematics and origins of parthenogenesis. *Systematics and Biodiversity*. In Press. doi.org/10.1080/14772000.2021.1909171. [[PDF](#)]

B28. Tamar K, Els J, **Kornilios P**, Soorae P, Tarroso P, Thanou E, Pereira J, Shah JN, Elhassan EEM, Aguhob JC, Badaam SF, Eltayeb MM, Pusey R, Papenfuss T, Macey R, Carranza S (2021). The demise of a wonder: Evolutionary history and conservation assessments of the Wonder Gecko *Teratoscincus keyserlingii* (Gekkota, Sphaerodactylidae) in Arabia. *PLoS ONE*, 16(1): e0244150. [[PDF](#)]

B27. Thanou E, **Kornilios P**, Lymberakis P, Leaché AD (2020). Genomic and mitochondrial evidence of ancient isolations and extreme introgression in the four-lined snake. *Current Zoology*, 66(1): 99–111, <https://doi.org/10.1093/cz/zoz018> [[PDF](#)]

B26. **Kornilios P**, Jablonski D, Sadek RA, Kumlutaş Y, Olgun K, Avci A, Ilgaz C (2020). Multilocus species-delimitation in the *Xerotyphlops vermicularis* (Reptilia: Typhlopidae) species complex. *Molecular Phylogenetics and Evolution*, 152, 106922. [[PDF](#)]

B25. **Kornilios P**, Thanou E, Lymberakis P, Ilgaz Ç, Kumlutaş Y, Leaché AD (2020). A phylogenomic resolution for the taxonomy of Aegean green lizards. *Zoologica Scripta*, 49(1), 14-27. [[PDF](#)] **Top cited article 2020-2021 Zool. Scr.**

B24. Thanou E, **Kornilios P** (2019). Self-cannibalism in the Aegean wall-lizard, *Podarcis erhardii*. *Herpetological Bulletin*, 147: 26-27. [[PDF](#)]

- B23. Kornilios P**, Thanou E, Lymberakis P, Ilgaz Ç, Kumlutaş Y, Leaché A (2019). Genome-wide markers untangle the green-lizard radiation in the Aegean Sea and support a rare biogeographical pattern. *Journal of Biogeography*, 46(3): 552-567. [[PDF](#)]
- B22. Kornilios P** (2019). The complete mitogenome of the Eurasian blindsnake *Xerotyphlops vermicularis* (Reptilia, Typhlopidae). *Mitochondrial DNA Part B: Resources*, 4(1), 1990-1991. [[PDF](#)]
- B21. Kornilios P**, Kumlutaş Y, Lymberakis P, Ilgaz C (2018). Cryptic diversity and molecular systematics of the Aegean *Ophiomorus* skinks (Reptilia: Squamata), with the description of a new species. *Journal of Zoological Systematics and Evolutionary Research*, 56(3): 364-381. [[PDF](#)]
Top downloaded article 2017-2018 for J. Zool. Syst. Evol. Res.
- B20.** Thanou E, **Kornilios P** (2018). Next-generation sequencing yields the complete mitochondrial genome of the endangered Milos viper *Macrovipera schweizeri* (Reptilia, Viperidae). *Mitochondrial DNA Part B: Resources*, 3(2): 1250-1251. [[PDF](#)]
- B19.** Dufresnes C, Lymberakis P, **Kornilios P**, Savary R, Perrin N, Stöck M (2018). Phylogeography of Aegean green toads (*Bufo viridis* subgroup): continental hybrid swarm vs. insular diversification with discovery of a new island endemic. *BMC Evolutionary Biology*, 18(1): 67. [[PDF](#)]
- B18. Kornilios P** (2017). Polytomies, signal and noise: revisiting the mitochondrial phylogeny and phylogeography of the Eurasian blindsnake species complex (Typhlopidae, Squamata). *Zoologica Scripta*, 46(6): 665-674. [[PDF](#)]
- B17.** Thanou E, **Kornilios P**, Poursanidis D, Parmakelis A, Arnedo MA, 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*, 31(4): 506-517. [[PDF](#)]
- B16. 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. [[PDF](#)]
- B15. Kornilios P**, Thanou E (2016). Two additions to the herpetofauna of Kasos (Aegean Sea, Greece) and the role of human-mediated dispersals. *Herpetological Review*, 47(4): 633-635. [[PDF](#)]
- B14.** Mettouris O, **Kornilios P** (2015) A first record of the Smooth newt, *Lissotriton vulgaris* (Linnaeus, 1758), from Samothraki island, NE Aegean Sea, Greece. *Herpetology Notes*, 8: 483-484. [[PDF](#)]
- B13. Kornilios P**, Stamataki E, Giokas S (2015). Multiple reversals of chirality in the land snail genus *Albinaria* (Gastropoda, Clausiliidae). *Zoologica Scripta*, 44(6): 603-611. [[PDF](#)]
- B12. Kornilios P** (2014). First report of piebaldism in scolecophidians: a case of *Typhlops vermicularis* (Squamata: Typhlopidae). *Herpetology Notes*, 7: 401-403. [[PDF](#)]

- B11. Kornilios P***, Thanou E*, Lymberakis P, Sindaco R, Liuzzi C, Giokas S (2014). Mitochondrial phylogeography, intraspecific diversity and phenotypic convergence in the four-lined snake (Reptilia, Squamata). *Zoologica Scripta*, 43: 149-160. *equally contributing authors. [[PDF](#)]
- B10.** Thanou E, Giokas S, **Kornilios P** (2014). Phylogeography and genetic structure of the slow worms *Anguis cephallonica* and *Anguis graeca* (Squamata: Anguinae) from the southern Balkan Peninsula. *Amphibia-Reptilia*, 35(2): 263-269. [[PDF](#)]
- B9.** Sindaco R, **Kornilios P**, Sacchi R, Lymberakis P (2014). Taxonomic reassessment of *Blanus strauchi* (Squamata: Amphisbaenia: Blanidae), with the description of a new species in south-east Anatolia (Turkey). *Zootaxa*, 3795(3): 311-326. [[PDF](#)]
- B8. Kornilios P**, Giokas S, Lymberakis P, Sindaco R (2013). Phylogenetic position, origin and biogeography of Palearctic and Socotran blind-snakes (Serpentes: Typhlopidae). *Molecular Phylogenetics and Evolution*, 68: 35-41. [[PDF](#)]
- B7.** Kyriazi P*, **Kornilios P***, Nagy ZT, Poulakakis N, Kumlutaş Y, Ilgaz Ç, Avcı A, Göçmen B, Lymberakis P (2013). Comparative phylogeography reveals distinct colonization patterns of Cretan snakes. *Journal of Biogeography*, 40: 1143-1155. *equally contributing authors. [[PDF](#)]
- B6.** Páll-Gergely B, **Kornilios P**, Giokas S (2012). Higher than anticipated diversity within an *Albinaria* species (Gastropoda, Pulmonata, Clausiliidae) in Southern Turkey. *Journal of Biological Research-Thessaloniki*, 18: 345-352. [[PDF](#)]
- B5. Kornilios P**, Ilgaz Ç, Lymberakis P, Kumlutaş Y, Moravec J, Sindaco R, Rastegar-Pouyani N, Afrooseh M, Giokas S, Fraguédakis-Tsolis S, Chondropoulos B (2012). Neogene climatic oscillations shape the biogeography and evolutionary history of the Eurasian blindsnake. *Molecular Phylogenetics and Evolution*, 62: 856–873. [[PDF](#)]
- B4. Kornilios P**, Ilgaz Ç, Kumlutaş Y, Giokas S, Fraguédakis-Tsolis S, Chondropoulos B (2011). The role of Anatolian refugia in herpetofaunal diversity: an mtDNA analysis of *Typhlops vermicularis* Merrem, 1820 (Squamata, Typhlopidae). *Amphibia-Reptilia*, 32: 351-363. [[PDF](#)]
- B3. Kornilios P**, Kyriazi P, Poulakakis N, Kumlutaş Y, Ilgaz Ç, Mylonas M, Lymberakis P (2010). Phylogeography of the ocellated skink *Chalcides ocellatus* (Squamata, Scincidae), with the use of mtDNA sequences: A hitch-hiker's guide to the Mediterranean. *Molecular Phylogenetics and Evolution*, 54(2): 445-456. [[PDF](#)]
- B2. Kornilios P**, Poulakakis N, Mylonas M, Vardinoyannis K (2009). The phylogeny and biogeography of the genus *Zonites* Montfort, 1810 (Gastropoda: Pulmonata): preliminary evidence from mitochondrial data. *Journal of Molluscan Studies*, 75: 109–117. [[PDF](#)]
- B1. Kornilios P**, Chondropoulos B, Fraguédakis-Tsolis S (2005). Allozyme variation in populations of the karyotypically polymorphic vole *Microtus (Terricola) thomasi* (Mammalia, Rodentia) from Greece. *Belgian Journal of Zoology*, 135(2): 175-179. [[PDF](#)]

6. TEACHING EXPERIENCE

- 2021-2022:** Lecturer (Biology Department, University of Patras): Teaching the undergraduate course “Evolution” and Postgraduate course “Special issues in Evolution”
- 2008-2012:** Teaching assistance in lab and field exercises for the courses: “Zoology III” (Chordates), “Greek Fauna”, “Biodiversity”, “Zoogeography” (Biology Department, University of Patras)
- 2006-2007:** Teaching assistance in lab and field exercises for the courses: “Introduction to Zoology”, “Zoogeography”, “Island Biogeography”, “Animal Physiology” (Biology Department, University of Crete).

7. INVITED SPEAKER – SEMINARS

- 2020-2021:** “*DNA as a tool for Ecology and Conservation Management*”. [Invited Speaker](#) (Postgraduate Studies Programme “Biological Sciences: Research & Applications”, Biology Department, University of Patras, Greece.
- 2019:** “*A practical guide to double-digest Restriction-site Associated DNA sequencing (ddRADseq)*”. **Invited Seminar** (*ABE Seminars - Animal Biodiversity & Evolution*), Institute of Evolutionary Biology (Institut de Biologia Evolutiva, IBE), Barcelona, Spain.
- 2017:** “*Evolutionary and phylogeographic patterns in the Aegean region: insights from reptiles and amphibians*”. **Invited Seminar** (*Phyloseminar Module*), Biology Department, University of Washington, Seattle, USA.
- 2014:** “*Methods for recording and monitoring Reptiles & Amphibians – Article 17 Reports – Reptiles & Amphibians of the Mesolonghi – Etoliko Lagoon National Park*”. **Invited Seminar**, training the personnel of the Management Agency of the National Park Mesolonghi–Etoliko Lagoon, Etoliko, Greece.
- 2012-2013:** “*Molecular Phylogenetics: from question to DNA sequence*”. **Invited Lecture** for the course “Animal Phylogeny” (Prof. S. Giokas), Biology Department, University of Patras, Greece.