DR. POULAKAKIS NIKOLAOS

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1. PERSONAL

Name:	Poulakakis Nikos
Date of birth:	11/03/1974
Place of Birth:	Irakleio, Crete
Address:	Department of Biology and Natural History Museum of Crete, School of Sciences and Engineering, University of Crete, P.O.Box 2208, GR-71409, Irakleio, Crete
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2. EDUCATION

- 1997: Biology B.Sc., Department of Biology, University of Crete.
- 2000: Paleontology M.Sc., Department of Geology, University of Athens. Dissertation Title: "Molecular Phylogeny of the Extinct Pleistocene Dwarf Elephant *Palaeoloxodon antiquus falconeri* from Tilos Island (Dodekanisa, Greece)."
- 2005: Biology Ph.D, Department of Biology, University of Crete. Dissertation Title: "Molecular phylogeny and biogeography of the wall-lizards Podarcis (Sauria: Lacertidae) in Greek area" (exact date of award: 27/01/2005).
- 2005-2006: Postdoctoral Associate in the Molecular Systematics Lab, Natural History Museum of the University of Crete.
- 2007-2009: Postdoctoral Associate in the Department of Ecology and Evolutionary Biology of Yale University.

3. ACADEMIC APPOINTMENTS:

- 2005-2006: **Research Scientist**. Natural History Museum, University of Crete.
- 2006-2007: **Teaching Assistant** (407/80) (equivalent to lecturer with tenure), Department of Biology, University of Crete (Sept. 2006 to Feb. 2007).
- 2009 - 2015: **Assistant Professor** in Biology Department, University of Crete
- 2015 - 2020: **Associate Professor** in Biology Department, University of Crete
- 2018 - today: **Director** of the Natural History Museum of Crete, University of Crete
- 2020 - today: **Professor** in Biology Department, University of Crete
- 2021 – today: **IMBB Group Leader** (Ancient DNA lab)

4. EXCELLENCE AWARDS FELLOWSHIPS

- 1994, 1995, 1996, and 1997: **Academic Excellence Studentship** (State Scholarships Foundation) for my undergraduate studies in the Biology Department (University of Crete).
- 1999: **Academic Excellence Studentship** (State Scholarships Foundation) during my graduate studies in the Geology Department of the University of Athens.
- 2002-2003: **Doctoral Fellowship** from Bodossakis Foundation, Greece.
- 2003-2004: **Doctoral Fellowship** from P. & M. Fyros Foundation, Greece.
- 2002-2005: **Doctoral Fellowship** «Irakleitos: Operational Program for Education and Initial Vocational Training» (Ministry of National Education and Religious Affairs).
- 2008: **Award of Academy of Athens** for my work on the phylogeny and systematics of pygmy elephantoids of Greece using ancient DNA techniques.

5. TEACHING EXPERIENCE

In the Department of Biology, where I am appointed as an Associate Professor, I participate in the teaching of the following

Undergraduate courses:

a) Introduction to Zoology (BIOL-101)

b) Laboratory Course in Introduction to Zoology (ΒΙΟΛ-102)

c) Evolutionary Ecology (BIOL-471)

d) Biogeography (BIOL-313)
e) Computational methods in Evolution (BIOL-450)
h) Fauna of Greece (BIOL-465)

Postgraduate courses

I also participate in the graduate program "Environmental Biology", that is run by the Biology Department of the University of Crete. In this program, I teach the following graduate courses:

a) Biodiversity, Evolution and Adaptations

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2009 - today I have supervised

40 undergraduate diploma theses (3 are in progress). All from Biology Dept, University of Crete

18 MSc theses (3 in progress). All from Biology Dept, University of Crete

8 PhD theses (6 in progress). **5 PhD advisory committees** and **10 PhD Examination Committees**. Biology Dept, **University of Crete**, Biology Dept, **University of Athens**, Biology Dept, **Aristotle University Thessaloniki**, Biology Dept, **University of Patras**, **University of Barcelona**

3 Postdoctoral researchers

6. PRINCIPAL SCIENTIFIC ACTIVITIES AND RESPONSIBILITIES

I am interested in retracing the evolutionary history of organisms. Much of my research focuses on molecular systematics, phylogeny, phylogeography, and population and conservation genetics of animal species inhabiting the eastern Mediterranean region. The majority of my work is based on DNA analysis and I am in a continuous struggle to figure out the extreme diversity of these animals in a temporal and spatial frame. I am mainly question driven rather than organism bound. Thus, I have been working with a variety of invertebrate and vertebrate taxa, ranging from land snails, to isopods, frogs, lizards, birds and mammals. My work has also focused on the development of methods for the retrieval of DNA sequences from archaeological and paleontological remains (ancient DNA),

7. INVITED PRESENTATIONS

2001. In Max Planck Institute, Department of Evolutionary Genetics, Leipzig, Germany. Invited by Mark Stoneking. Title of presentation: "Molecular Phylogeny of the Extinct Pleistocene Dwarf Elephant *Palaeoloxodon antiquus falconeri* from Tilos Island (Dodekanisa, Greece)".

2004. In *International Workshop in Bioinformatics* that took place in University of Crete (Department of Biology) and Foundation for Research and Technology (Institute of Molecular Biology and Biotechnology, IMBB), Irakleio, Crete, Greece. Invited by the organizing committee of the workshop. Title of presentation: "Alignments, Phylogenetic Analysis, and Phylogenetic Packages".

2009: In 31st Congress of HSBS (Hellenic Society of Biological Science, Patra 14-16 May. Title of presentation: Ancient DNA: sneaking into the past raises new horizons for the future.

2012: In University of Cyprus, Department of Biological Sciences. Title of presentation: "The world of ancient DNA".

2019: Workshop "Brain and Subconscious". Title: The Evolution of the Human Brain, May 4, 2019, Heraklion, Crete

8. ORGANIZATION OF INTERNATIONAL CONFERENCES

- *International Workshop in Bioinformatics*. University of Crete and Foundation for Research and Technology (IMBB), Irakleion, Crete, Greece. Funded by UNESCO Office in Venice - Regional Bureau for Science in Europe – (ROSTE), 13-18 Sept 2004.

- *11th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*. Natural History Museum of Crete, University of Crete, Irakleio, Crete, 22-26 Sept 2009.
- *5th International Biogeography Society Meeting*. Natural History Museum of Crete, University of Crete, Irakleio, Crete, 7-11 Jan 2011.
- *13th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions*. Irakleio, Crete, 7-11 October 2015.
- 9th Hellenic Ecological Society (HELECOS-9), Irakleio, Crete, 4-7 October 2018.

9. PUBLICATIONS

9.A. DISSERTATIONS

1. **Poulakakis N. 2000.** Molecular Phylogeny of the Extinct Pleistocene Dwarf Elephant *Palaeoloxodon antiquus falconeri* from Tilos Island (Dodekanisa, Greece). Department of Geology, University of Athens
2. **Poulakakis N. 2005.** Molecular phylogeny and biogeography of the wall-lizards *Podarcis* (Sauria: Lacertidae) in Greek area. PhD Thesis, Department of Biology, University of Crete.

9.B. PUBLICATIONS

1. **Poulakakis, N.,** Theodorou, G.E., Zouros, Z. & Mylonas, M**. 2002.** Molecular Phylogeny of the Extinct Pleistocene Dwarf Elephant *Palaeoloxodon antiquus falconeri* from Tilos Island (Dodekanisa, Greece). **Journal of Molecular Evolution** 55 (3), 364-374.
2. **Poulakakis, N.,** Mylonas, M., Lymberakis, P. & Fassoulas, C. **2002**. Origin and taxonomy of the fossil elephants of the island of Crete (Greece): Problems and perspectives. **Palaeogeography, Palaeoclimatology, Palaeoecology** 186, 163-183.
3. **Poulakakis, N.,** Lymberakis, P., Antoniou, A.-B., Chalkia, D., Zouros, E., Mylonas, M. & Valakos, E. **2003.** Molecular phylogeny and biogeography of the wall-lizard *Podarcis erhardii* (Squamata: Lacertidae) based on partial mtDNA sequences of the cytochrome *b* gene. **Molecular Phylogenetics and Evolution** 28, 38–46.
4. Mantziou, G., **Poulakakis, N.**, Valakos, E., Lymberakis, P. & Mylonas, M. **2004**. The inter- and intraspecific status of the Aegean *Mauremys rivulata* (Tesudines, Bataguridae) as inferred by mitochondrial DNA sequences. **Herpetological Journal** 14, 35-45**.**
5. **Poulakakis, N.,** Lymberakis, P. Tsigenopoulos, C, Magoulas, A. & Mylonas, M. **2005**. Phylogenetic relationships ad evolutionary history of snake-eyed skink *Ablepharus kitaibelii* (Squamata: Scincidae). **Molecular Phylogenetics and Evolution** 34(2), 245-256.
6. **Poulakakis, N.,** Lymberakis, P., Pafilis, P., Valakos, E. & Mylonas, M. **2005**. Phylogeography of Balkan wall lizard (*Podarcis taurica*) and its relatives inferred from mitochondrial DNA sequences. **Molecular Ecology** 14, 2433-2443.
7. **Poulakakis, N.,** Lymberakis, P., Paragamian, K. & Mylonas, M. **2005**. Isolation and amplification of shrew DNA from Barn Owl pellets. **Biological Journal of Linnean Society** 85, 331-340**.**
8. **Poulakakis, N.,** Lymberakis, P., Valakos, E., Zouros, E. & Mylonas, M. **2005**. Phylogenetic relationships and biogeography of Balkan *Podarcis* species by Bayesian and Maximum Likelihood Analyses of Mitochondrial DNA Sequences. **Molecular Phylogenetics and Evolution** 37, 845-857**.**
9. **Poulakakis, N.,** Lymberakis, P. & Fassoulas C. A. **2005.** *Deinotherium giganteum* KAUP 1829 (Proboscidae, Deinotheriidae) from the Middle Miocene of Siteia (East Crete, Greece). **Journal of Vertebrate Paleontology** 25(3), 732-736**.**
10. **Poulakakis, N.,** Goulielmos, G., Antoniou, A., Zouros, E. & Mylonas, M. 2005. Isolation and characterization of polymorphic microsatellite markers in the wall lizard *Podarcis erhardii* (Squamata: Lacertidae). **Molecular Ecology Notes** 5, 549-551**.**
11. Mantziou, G., Antoniou, A.**, Poulakakis, N.,** Goulielmos, G., Tsigenopoulos, C.S., Pinou, T. & Mylonas, M. **2005**. Isolation and characterization of six polymorphic

microsatellite markers in the fresh water turtle *Mauremys rivulata* (Testudines: Geoemydidae). **Molecular Ecology Notes** 5, 727-729**.**

12. **Poulakakis, N.**, Parmakelis, A., Lymberakis, P., Mylonas, M., Zouros, E., Reese, D.S., Glaberman, S. & Caccone, A. 2006. Ancient DNA forces reconsideration of Mediterranean pygmy elephantids. **Biology Letters** 2, 451-454.
13. ‡ **Poulakakis, N.**, Lymberakis, P., Pafilis, P., Valakos, E. & Mylonas, M. **2006**. Aspects of the evolutionary history of *Podarcis taurica* (Pallas 1814), *P. gaigeae* (Werner 1930) and *P. milensis* (Bedriaga 1882) in Greece. *In:* Mainland and insular lizards: a Mediterranean perspective. (Claudia Corti, Pietro Lo Cascio, Marta Biaggini, eds), pp. 161-174. Firenze: Firenze University Press (Monografie. Scienze; 8).
14. **Poulakakis, N.**, Tselikas, A., Bitsakis, I., Mylonas, M. & Lymberakis, P. **2007** Does the molecular analysis shed light on the origin of the ancient Greek manuscripts? **Journal of Archaeological Science** 34**,** 675-680.
15. Pafilis, P., Foufopoulos, J., **Poulakakis, N.** Lymberakis, P. & Valakos, E.D. **2007** Digestive performance in five Mediterranean lizard species: effects of temperature and insularity. **Journal of Comparative Physiology** 177(1), 49-60**.**
16. **Poulakakis, N.**, Parmakelis, A., Lymberakis, P., Mylonas, M., Zouros, E., Reese, D.S., Glaberman, S. & Caccone A. **2007** It remains a mammoth DNA fragment. **Biology Letters** 3, 60-63**.**
17. Valakos, E.D., Kourkouli, A., Skopeliti, M., Pafilis, P., **Poulakakis**, **N.,** Voutsas, I., Lymberakis, P., Simou, C., Voelter, W. & Tsitsilonis, O.E. **2007**. Combining immunological and molecular data to assess phylogenetic relations of some Hellenic *Podarcis* species. **Comparative Biochemistry and Physiology** 147(1), 1-10.
18. Lymberakis, P.*, **Poulakakis, N.***, Manthalou, G., Tsigenopoulos, C.S., Magoulas, A. & Mylonas, M. **2007**. Mitochondrial Phylogeography of Western Palaearctic *Rana (Pelophylax) spp*. with emphasis in the Eastern Mediterranean populations**. Molecular Phylogenetics and Evolution** 44, 115-125.
19. **Poulakakis, N.,** Pakaki, V., Lymberakis, P. & Mylonas M. **2008.** Molecular Phylogeny of the Greek legless skink *Ophiomorus punctatissimus* (Squamata: Scincidae): The impact of Mid-Aegean trench in its phylogeography. **Molecular Phylogenetics and Evolution** 47(1), 396-402.
20. **Poulakakis, N.** & Sfenthourakis S. **2008.** Molecular phylogeny and phylogeography of the Greek populations of the genus *Orthometopon* (Isopoda, Oniscidea) based on mtDNA sequences. **Zoological Journal of Linnean Society** 152, 707-715.
21. Lymberakis, P., **Poulakakis**, **N.,** Kaliontzopoulou, A., Valakos, E. & Mylonas, M. **2008**. Two new species of *Podarcis* (Squamata: Lacertidae) from Greece. **Systematics & Biodiversity** 6(3), 307–318.
22. Trichas, A., Lagkis, A., Triantis, K., **Poulakakis, N.** & Chatzaki M. **2008.** Biogeographic patterns of tenebrionid beetles (Coleoptera, Tenebrionidae) on four island groups in the south Aegean Sea. **Journal of Natural History,** 42, 491-511.
23. Xirouchakis, S.M. and **Poulakakis, N. 2008** Biometrics, sexual dimorphism and gender determination in an insular population of griffon vultures (*Gyps fulvus*). **ARDEA** 96, 1-10**.**
24. **Poulakakis, N.,** Antoniou, A., Mantziou, G., 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. **2008.** Population structure, diversity and phylogeography in the near threatened Eurasian Black Vulture *Aegypius monachus* (Falconiformes; Accipitridae) in Europe: insights from microsatellite and mtDNA variation. **Biological Journal of Linnean Society** 95, 859-872.
25. Kapli P.*, Lymberakis P.*, **Poulakakis N.***, Mantziou G., Parmakelis A. and 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 paraphyly? **Molecular Phylogenetics and Evolution** 49, 102-110.
26. Kyriazi P., **Poulakakis N.,** Parmakelis A., Crochet P.A., Moravec J., Rastegar-Pouyani N., Tsigenopoulos C.S., Magoulas, A. and 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**.**

27. Poulakakis, N., Glaberman, S., Russello, M., Beheregaray, L.B., Ciofi, C., Powell, J.R. and Caccone, A. **2008.** Historical DNA analysis reveals living descendants of an extinct species of Galápagos tortoise. **PNAS**, 105(40), 15464–15469.

28. Kornilios, P., **Poulakakis, N.**, Mylonas, M. and Vardinoyannis, K. **2009**. Insights on the phylogeny and biogeography of the genus *Zonites* (Montfort, 1810) (Gastropoda: Pulmonata): Preliminary evidence from mitochondrial data. **Journal of Molluscan Studies** 75(2), 109 - 117**.**

29. Pafilis, P., J. Foufopoulos, **N. Poulakakis**, P. Lymberakis, and E. D. Valakos. 2009. Tail shedding in island lizards (Lecartidae, Reptilia): Decline of antipredator defences in relaxed predation environments. **Evolution** 63(5), 1262–1278.

30. Kornilios, P., Kyriazi, P., **Poulakakis, N.,** Kumlutaş, Y., Ilgaz, C., Mylonas, M. and Lymberakis, P. 2010. Phylogeography of the ocellated skink *Chalcides ocellatus* (Squamata, Scincidae), with the use of mtDNA sequences: a hitchhiker's guide to the Mediterranean. **Molecular Phylogenetics and Evolution**, 54, 445-456.

31. Kapli, P., **Poulakakis, N.**, Lymberakis, P. & Mylonas, M. 2011. A re-analysis of the molecular phylogeny of Lacertidae with currently available data. **Basic and Applied Herpetology** 25, 97-104.

32. Russello, M.R., Poulakakis, N., Gibbs, J.P., Tapia, W., Powell, J.R. and Caccone, A. 2010. DNA from the Past Informs Ex situ Conservation for the Future: An "Extinct" Species of Galápagos Tortoise Identified in Captivity. **PLOS One** 5(1), e8683. doi:10.1371/journal.pone.0008683

33. Lymberakis, P. & **Poulakakis, N.** 2010. Three continents claiming an archipelago: The evolution of Aegean's herpetofaunal diversity. *Diversity* 2, 233-255.

34. Parmakelis, A, Moustaka, M., **Poulakakis, N.,** Louis, C., Slotman, M.A., Marshall, J.C., Awono-Ambene, P.H., Antonio-Nkondjio, C., Simard, F., Caccone, A. and 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).

35. Poulakakis, N. & Stamatakis, A. 2010. Recapitulating the Evolution of Afrotheria: 57 genes and RGCs consolidate their history. **Systematics & Biodiversity** 8(3), 395–408.

36. Deligianni, E., Morgan, R.N., Bertuccini, L., Kooij, T.W.A., Laforge, A., **Poulakakis, N.**, Schüler, H., Louis, C., Matuschewski, K. & Siden-Kiamos, I. 2011. Critical role for a stage-specific actin in male exflagellation of the malaria parasite. Cellular Microbiology. 13(11), 1714–1730.

37. Poulakakis, N., Russello, M., Geist, D., and Caccone, A. 2012. Unraveling the Peculiarities of Island Life: Vicariance, Dispersal and the Diversification of the Extinct and Extant Giant Galápagos Tortoises. **Molecular Ecology**, 21, 160-173.

38. Garrick, R.C., Benavides, E., Russello, M.A., Gibbs, J.P., **Poulakakis, N.**, Dion, K.B., Hyseni, C., Kajdacsi, B., Márquez, L., Bahan, S., Ciofi, C., Tapia, W. & Caccone, A. 2012. Genetic rediscovery of an 'extinct' Galápagos giant tortoise species. **Current Biology** 22(1), R10-R11**.**

39. Kapli, P., Botoni, D., Ilgaz, Ç., Kumlutaş, Y., Avcı, A., Rastegar-Pouyani, N., Fathinia, B., Lymberakis, P., Ahmadzadeh, F., **Poulakakis, N. 2013** Molecular phylogeny and historical biogeography of the Anatolian lizard *Apathya* (Squamata, Lacertidae). **Molecular Phylogenetics and Evolution** 66, 992-1001.

40.Poulakakis, N., Kapli, P., Kardamaki, A., Skourtanioti, E., Göcmen, B., Ilgaz, Ç., Kumlutaş, Y., Avcı, A., Lymberakis, P. **2013**. Comparative phylogeography of six herpetofauna species in Cyprus: late Miocene to Pleistocene colonization routes. **Biological Journal of Linnean Society** 108, 619-635.

41. Kyriazi, P., Kornilios, P., Nagy, T.N., **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.

42. Guclu, O., Candan, K., Kankilic, T., Kumlutas, Y., Durmus, S.H., **Poulakakis, N.**, Ilgaz, C. 2013. Phylogeny of *Trachylepis* sp. (Reptilia) from Turkey inferred from mtDNA sequences. *Mitochondrial DNA* (**in press**).

43. Psonis, N., Vardinoyannis, K., Mylonas, M. & **Poulakakis, N. 2013**. Evaluation of the taxonomy of *Helix cincta* (Muller, 1774) and *Helix nucula* (Mousson, 1854); insights using mitochondrial DNA sequence data. *Journal of Natural History* (**in press**).

44. Vogiatzi. E., Kalogianni, E., Zimmerman, B., Giakoumi, S., Barbieri, R., Paschou, P., Magoulas, A., Tsaparis, D., **Poulakakis, N.**, Tsigenopoulos, C.S. **2014** Reduced genetic variation and strong genetic population structure in the freshwater killifish *Valencia letourneuxi* (Valenciidae) based on nuclear and mitochondrial markers. **Biological Journal of Linnean Society** (accepted).

45. 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 (in press)**

46. Poulakakis, N., Kapli, P. Lymberakis, P., Trichas, A., Vardinoyiannis, K., Sfenthourakis, S., Mylonas, M. **2014**. A review of phylogeographic analyses of animal taxa from the Aegean and surrounding regions. **Journal of Zoological Systematics and Evolutionary Research** 53(1), 18-32**.**

47. Kapli, P., Lymberakis, P., Crochet, P.-A., Geniez, P., Brito, J.C., Almutairi, M., Ahmadzadeh, F., Schmitz, A., Wilms, T., Pouyani, N.R., Poulakakis, N. **2014** Historical Biogeography of the lacertid lizard *Mesalina* in North Africa and the Middle East. **Journal of Biogeography** 42, 267–279.

48. Candan, K., Kankılıç, T., Güçlü, O., Kumlutaş, Y., Durmuş, S.H., Lymberakis, P., **Poulakakis, N.** and Çetin I. **2015**. First Assessment on the Molecular Phylogeny of *Anatololacerta* (Squamata, Lacertidae) Distributed in Southern Anatolia; Insights From mtDNA and nDNA Markers. *Mitochondrial DNA*, 1-8**.**

49. Dritsou, V., Deligianni, E., Dialynas, E., Allen, J., **Poulakakis, N.,** Louis, C., Lawson, D. and Topalis, P. **2015**. Non-coding RNA gene families in the genomes of anopheline mosquitoes. BMC Genomics 15, 1038**.**

50. Psonis, N., Vardinoyannis, K., Mylonas, M., **Poulakakis, N. 2015**. Unraveling the evolutionary history of the *Chilostoma* Fitzinger, 1833 (Mollusca, Gastropoda, Pulmonata) lineages in Greece. **Molecular Phylogenetics and Evolution** 91, 210-225**.**

51. Poulakakis, N., Edwards, L.D., Chiari, Y., Garrick, R.C., Russello, M.A., Benavides, E., Watkins-Colwell, G.J., Glaberman, S., Tapia, W., Gibbs, J.P., Cayot, L.J., Caccone, A. Description of a new Galapagos Giant Tortoise Species (*Chelonoidis*; Testudines: Testudinidae) from Cerro Fatal on Santa Cruz Island. **PLOS One** 10(10), e0138779**.**

52. Skourtanioti, E., Kapli, P., Ilgaz, C., Kumlutaş, Y., Avcı, A., Ahmadzadeh, F., Crnobrnja – Isailović, J., Gherghel, I., Lymberakis, P. **Poulakakis**, **N. 2016** A reinvestigation of phylogeny and divergence times of the *Ablepharus kitaibelii* species complex (Sauria, Scincidae) based on mtDNA and nuDNA genes. **Molecular Phylogenetics and Evolution** 103, 199-214.

53. Gkontas, I., Papadaki, S., Trichas, A., **Poulakakis, N. 2017** First assessment on the molecular phylogeny and phylogeography of the *Gnaptor* taxa distributed in Greece (Coleoptera: Tenebrionidae). **Mitochondrial DNA Part A** 28 (6), 927–934.

54. Psonis, N., Lymberakis, P., Poursanidis D., **Poulakakis, N. 2016** Contribution to the study of *Acanthodactylus* (Sauria: Lacertidae) mtDNA diversity focusing on the A. boskianus species group. **Mitochondrion** 30, 79-84.

55. Hedman, H.D., Karameta, E., Kapsalas, G., Psonis, N., **Poulakakis, N.**, Foufopoulos, J., Pafilis, P. **2016** A new locality record of *Podarcis peloponnesiacus* (Bibron and Bory, 1833) (Sauria: Lacertidae) from Athens, Greece. **Herpetozoa** 30, 1-3.

56. Dokianakis, E., Tsirigotakis, N., Christodoulou, V., **Poulakakis, N.**, Antoniou, M. 2016. DNA sequencing confirms PCR-RFLP identification of wild caught *Larroussius* sand-flies from Crete and Cyprus. **Acta Tropica** 164, 314-320.

57. Psonis, N., Antoniou, A., Kukushkin, O., Jablonski, D. Petrov, B., Crnobrnja - Isailović, J., Sotiropoulos, K., Gherghel, I., Lymberakis, P. **Poulakakis, N. 2017** Unexpected phylogenetic relationships within the *Podarcis tauricus* subgroup (Sauria, Lacertidae) using multilocus approaches. **Molecular Phylogenetics and Evolution 106, 6-17**.

58. Dimopoulou, A., Antoniou, A. Mylonas, M, Vardinoyiannis, K., **Poulakakis, N. 2017** Inferring phylogenetic patterns of land snails of the genus *Albinaria* in the islet of Dia (Crete, Greece). **Systematics & Biodiversity 15(5), 414-426.**

59. Joshua M. Miller, Maud C. Quinzin, **Nikos Poulakakis**, James P. Gibbs, Luciano B. Beheregaray, Ryan C. Garrick, Michael A. Russello, Claudio Ciofi, Danielle L. Edwards, Elizabeth A. Hunter, Washington Tapia, Danny Rueda, Jorge Carrión, Andrés A. Valdivieso, Adalgisa Caccone. 2017. Identification of genetically important individuals of the rediscovered Floreana Galápagos giant tortoise (*Chelonoidis elephantopus*) provide founders for species restoration program. **Scientific Reports 7(1), 11471.**

60. Stephen J Gaughran, Joshua M Miller, Maud C Quinzin, Ryan C Garrick, Danielle L Edwards, Michael A Russello, **Nikos Poulakakis**, Claudio Ciofi, Luciano B Beheregaray, Adalgisa Caccone. 2017. Theory, practice and the conservation of Galápagos giant tortoises in the age of genomics. **Evolutionary Applications** 11,1084 – 1093.

61. Dokianakis, E., Tsirigotakis, N., Christodoulou, V., **Poulakakis, N.**, Antoniou, M. **2018**. Identification of wild caught phlebotomine sand flies from Crete and Cyprus using DNA barcoding. **Parasites & Vectors 11, 94**.

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***indicates equal contribution of those authors**

9.C. Publications with no peer review procedure

1. **Poulakakis N.**, Vardinoyiannis K. & Mylonas M., **1997**. Biogeography of terrestrial molluscs of Kastelorizo Island group. **Heldia,** 4(5), 115**.**
2. Slotman, M.A., Parmakelis, A., Marshall, J.C., **Poulakakis, N.**, Awono-Ambene, P.H., Antonio-Nkondjio, C., Simard, F., Caccone, A., Powell, J.R. 2007. Patterns of selection on anti-malarian immune genes: Adaptive evolution in LRIM1 in Anopheles arabiensis. **American Journal of Tropical Medicine and Hygiene**, 77(5), 250-250.
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9.D. Chapters in books and other editions-translations

Conference proceedings

1. Poulakakis N. & Vardinoyannis K. 2009. Abstracts of the International Congress on the Zoogeography, Ecology and Evolution of Eastern Mediterranean, 11th ICZEGAR, 21-25 September 2009, Iraklion, Crete, Greece. Hellenic Zoological Society, 218 pages.
2. Poulakakis N., Antoniou, A., Karameta, E., Psonis, N., Vardinoyannis K. (eds) 2015. Abstracts of the International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions, 13th ICZEGAR, 7-11October 2015, Irakleio, Crete, Greece. Hellenic Zoological Society, 203 pages.

Translations

3. Willmer, P., Stone, G., Johnston, I. 2006. Environmental Physiology. Αεί, Athens.
4. Fuentes, A. 2013. Biological Anthropology Ανρωπολογία. Utopia Publishing
5. Miller, S., Harley, J. 2018. Zoology (10th edition) Publisher: Broken Hill Publishers Ltd
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Books or book chapters

1. **Poulakakis, N.**, and Parmakelis, A. **2018**. The Aegean Archipelago: From Zoogeography to Phylogeography. In: Sfenhtourakis, S., Pafilis, P., Parmakelis, A., **Poulakakis, N.**, and Triantis, K. (eds) Biogeography and Biodiversity of the Aegean. In honor of Prof. Moysis Mylonas, Publisher: Broken Hill Publishers Ltd, pp.269-278
2. Lymberakis, P. Panayiotis Pafilis, P., **Poulakakis, N.**, Sotiropoulos, K. and Valakos, E.D. **2018**. Amphibians and Reptiles of the Aegean Sea. In: Sfenhtourakis, S., Pafilis, P., Parmakelis, A., **Poulakakis, N.**, and Triantis, K. (eds) Biogeography and Biodiversity of the Aegean. In honor of Prof. Moysis Mylonas, Publisher: Broken Hill Publishers Ltd, pp.169-190
3. Sfenhtourakis, S., Pafilis, P., Parmakelis, A., **Poulakakis, N.**, and Triantis, K. **2018** Biogeography and Biodiversity of the Aegean. In honor of Prof. Moysis Mylonas, Publisher: Broken Hill Publishers Ltd, pp. 299.
4. **Poulakakis, N.** Phylogeography of the Fauna of Greece. In: Pafilis, P. (eds) Fauna of Greece. Publisher: Broken Hill Publishers Ltd, pp.XX-XX

Other publications

1. Theodore J. Abatzopoulos, Sinos Giokas, Panayiotis Pafilis, **Nikos Poulakakis**, Spyros Sfenthourakis and Eleftherios Zouros 2019. Promoting evolution: the brand new Hellenic Evolutionary Society (HEVOS). **J of Biol Res-Thessaloniki**, 26, 6.

9.E. Research highlights

1. 2006. Pygmy, but mammoth. **Research highlights, Nature** 440, 1092.

2. 2008. The Galápagos' Lost and Found **Random Samples, Science** 321, 1749.
3. 2015 Genetics probe identifies new Galapagos tortoise species. **News & Comment, Nature.**

10. PARTCIPATION AND ANNANCOUMENTS TO SCIENTIFIC MEETINGS

I have participated in 25 international and national conferences with 92 announcements.

11. RESEARCH PROJECTS

Participation in 30 research grants (> 4M€), 12 as PI or co-PI (> 850K€)

12. SCIENTIFIC JOURNALS and PROJECTS EDITOR

a. BMC Zoology
b. Journal of Biological Research
c. FCT Biological Sciences Evaluation Panel (Portugal)

13. SCIENTIFIC JOURNAL REVIEWER

Molecular Ecology, Molecular Phylogenetics and Evolution, Biological Journal of Linnean Society, Silvae Genetica, Belgian Journal of Zoology, Herpetological Journal, European Journal of Wildlife Research, DNA Sequence, Biochemical Genetics, Zoological Journal of Linnean Society, Amphibia – Reptilia, Molecular Ecology Resources, PLoS ONE, Conservation Genetics, ZooKeys, Acta Herpetologica, Journal of Comparative Zoology, Journal of Biogeography, Journal of Natural History.

14. Member in Societies

- Hellenic Zoological Society
- Hellenic Ecological Society
- Hellenic Evolutionary Society
- Societas Europaea Herpetologica
- Friends of Natural History Museum

15. Metrics

- Citations records through Google Scholar
  http://scholar.google.com/citations?user=jua2DeoAAAAJ&hl=en
  Number of times cited: 2342
  h-index: 29
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