

CURRICULUM VITAE

Name: Efstratios Valakos

Professor of Comparative Animal Physiology and Ecophysiology
 University of Athens, Department of Biology,
 Division of Animal and Human Physiology,
 GR15784 Panepistimioupolis, Ilisia, Athens.
 Telephone: -7274-376, FAX: 01-7274-635, E-mail: evalakos@biol.uoa.gr

Personal

Date and place of birth: April 20th 1960, Mytilene

Languages: English

Education - Career

1984-1990: **Ph.D. Ecology**, University of Athens, Department of Biology.

1978-1983: **B.S. Biology**, University of Athens, Department of Biology.

Academic Appointments

2016- *Professor*, University of Athens, Department of Biology

2010-2016: *Associated Professor*, University of Athens, Department of Biology

2001-2010: *Assistant Professor*, University of Athens, Department of Biology.

1992-2001: *Lecturer*, University of Athens, Department of Biology.

Research interests

Physiological and ecological adaptations of reptiles and land snail in Mediterranean type ecosystems: Study of life history traits, comparative biology, thermal biology, predation, antipredatory mechanisms.

Island biogeography, Conservation of endemic species , Phylogeny of reptiles, Comparative morphometrics (including human).

Courses

1992-1996

- Systematic Zoology (50%)
- Population Ecology (30%)
- Biogeography (70%)
- Fauna of Greece (50%)
- Evolutionary Biology (25%)

1996-Today

- Animal Physiology (20%)
- Comparative Animal Physiology (48%)
- Evolutionary Biology (25%)-Until 2010
- Biological Anthropology (55%)-Since 2010

Supervisor

Diploma Thesis: 50

Muster Thesis: 8

Phd Thesis: 7

Participation in research projects

“Structure and Energy flow in the island ecosystems of the Aegean Sea” ENV-593-G (Advisor: Prof. I. Matsakis , Funding: EEU and Ministry of Agriculture 1981-1987).

“ Study of remote islets of the Aegean Sea” (Advisor: Prof. M. Mylonas , Funding: Leventis Foundation 1987-1989).

“Natura 2000” . Scientific Team of University of Athens, Main researcher for Reptiles and Amphibians ”(Advisor: Assist. Prof. K. Georgiou , Funding: Hellenic Center for Wetlands).

“Management planning for Sperchios River region” "Life 95". Main researcher for Reptiles and Amphibians ”(Advisor: Assist. Prof. K. Georgiou , Funding: Hellenic Center for Wetlands).

“Study of the soil biocommunities in the island ecosystems of the Aegean’ (Advisor, assist. Prof . A. Legakis , PENED 95, Funding: : General Secretariat of Research and Technology).

“Protection of threatened endemic species”. ARCHI-MED Central and Eastern Mediterranean Space. (Advisor: Prof. M. Mylonas , Funding: EU 1987-1989).

“Biological effects of non- ionizing electromagnetic fields: a multidisciplinary approach. (Advisor: Prof. L. Margaritis, Thalís 2010-2015).

“The biodiversity of stone walls in Aegena” (Advisor: Asis.Prof. P.Pafilis , Latsis Foundation 2013).

Advisor in research projects

“Life 95”. Management planning for 6 “Natura 2000” sites”. (Working group for reptiles. European Union, Gen. Direction 11, LIFE 95, Funding: Hellenic Center for Wetlands

“Study on the adaptations of the endemic lizards of Peloponnese Podarcis peloponnesiaca, Lacerta graeca and Algyroides moreoticus in comparison to their distribution and phylogenetic history”. (Funding: University of Athens).

“Ecological and phylogenetic study of the endemic lizards of Peloponnese Podarcis peloponnesiaca, Lacerta graeca and Algyroides moreoticus (Sauria: Lacertidae)”. (Funding: General Secretariat of Research and Technology, 1995).

“Tail autotomy: an ecophysiological approach in lizards belonging to the family Lacertidae”. (Funding: University of Athens)

“Estimation and conservation of the genetic diversity of endemic and threatened terrestrial vertebrates in Greece using molecular, biochemical and physiological methods”. (Funding: General Secretariat of Research and Technology, 1999)

“The impact of temperature on the digestive physiology of lacertid lizards”. (Funding: University of Athens).

“The impact of fire on the thermal physiology of reptilian populations in insular ecosystems”. (Funding: University of Athens).

“Study on the adaptations of fresh water turtles”. (Funding: University of Athens).

“The impact of longtime fragmentation on the fitness of Podarcis lizards in insular ecosystems of Aegean Sea”. (Funding: General Secretariat of Research and Technology, PYTHAGORAS II, Research Project of the European Union)

“The impact of longtime fragmentation on genetic diversity and environmental physiology of the lizard P. erhardii in islets of eastern Crete” (Funding: General Secretariat of Research and Technology).

“What hide behind a giant : The case of the lizard of Skyros island” (Funding: Latsis foundation).

“Monitoring and Evaluation of the Amphibians and Peptides in sites of Natura 2000” (Funding: ELERPE-ESPA 2013-2015).

“ Biological Anthology- Laboratory guide, e-book” Hellenic Academic Libraries – Kallipos-ESPA 2015)

Research experience – Training

- Natural History Museum of Wien (July 1985). Study of the Greek Reptile Collections of the Museum (1 week).
- University of Salamanca, Dept. of Zoology, Spain (December 1989). Specialized environmental physiology techniques (20 days).
- Field work (June 1999) in Greece with Spanish research group with the research project PB90-0526-CO2-01 of Spanish government (April 1990) (1 month).
- University of Salamanca, Dept. of Zoology, Spain (October 1990). Specialized environmental physiology techniques (1 week).
- University of Alicante, Dept. of Zoology, Spain (September 1993). Field work in Balearic Islands (1 month).

- Natural History Museum and Research Institute Alexander Koenig, Bonn, Germany. (August 1995). Study of the Greek Reptile Collections of the Museum (1 week).
- Natural History Museum of Wien (September 1995). Study of the Greek Reptile Collections of the Museum (1 week).
- Natural History Museum and Research Institute Alexander Koenig, Bonn, Germany. (July 1996). Study of the Greek Reptile Collections of the Museum (1 month).
- University of Salamanca, Dept. of Zoology, Spain (December 1997). Specialized environmental physiology techniques (3 months).
- University of Salamanca, Dept. of Zoology, Spain (June 1999). Specialized environmental physiology techniques (1 month).
- University of Michigan (USA) (October-November 2003). Comparative physiology (2 months)
- University of Michigan (USA) (November-December 2004). Comparative physiology (2 months)
- Field work (May, July 2005) in Aegean islets in collaboration with the University of Michigan and the University of New Orleans (20 days).
- Field work (April 2006) in Aegean islets in collaboration with the University of Michigan (15 days).
- University of Michigan, Dept. of Natural Resources (October 2006). Specialized statistic programme.
- University of Michigan, Dept. of Natural Resources (November 2007). Methods in parasitology

Meetings

A. International Meetings

1. International Conference on terrestrial and freshwater vertebrates from the Mediterranean Islands. Evisa Corse, October 1983.
2. 3rd International Congress on the Zoogeography and Ecology of Greece and Neighbouring Regions. Patras, April 1984.
3. 3rd Ordinary General Meeting of the Societas Europaea Herpetologica. Prague, August 1985.
4. 4th International Congress on the Zoogeography and Ecology of Greece and Neighboring Regions. Kamena Vourla, April 1987.

5. 4th Ordinary General Meeting of the Societas Europaea Herpetologica. Nijmegen, August 1987.
6. XXXI Congres-Assemblee Pleniere de la C.I.E.S.M. Athens, April 1988.
7. 10th International Malacological Congress. Tübingen, August 1989.
8. First World Congress of Herpetology. Canterbury, September 1989.
9. IV Congreso de Herpetología. Madrid, December 1989.
10. 5th International Congress on the Zoogeography and Ecology of Greece and Neighboring Regions. Irakleio, April 1990.
11. I Congresso Luso - Espanhol (V congresso Espanhol) de Herpetologia. Lisboa, October 1990.
12. 6th Ordinary General Meeting of the Societas Europea Herpetologica, Budapest, August 1991.
13. VI International Conference on the Mediterranean Type Ecosystems, Maleme, Crete, September 1991.
14. 1st International Congress on the Lacertids of the Mediterranean Basin, Mytilini, April 1992.
15. 6th International Congress on the Zoogeography and Ecology of Greece and Neighboring Regions. Thessaloniki, April 1993.
16. 7th Ordinary General Meeting of the Societas Europea Herpetologica. Barcelona, September 1993.
17. 8th Ordinary General Meeting of the Societas Europea Herpetologica, Bonn, August 1995.
18. 7th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Athens, April 1996.
19. Third World Congress of Herpetology. Prague, August 1997.
20. The Third International Symposium on the Lacertidae of the Mediterranean Basin. Cres island (Croatia), May 1998.
21. 8th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Cavala, May 1999.
22. 5th International Congress of Comparative Physiology and Biochemistry. Calgary (Canada), August 1999.
23. 10th Ordinary General Meeting of Societas Europea Herpetologica. Iraklio (Crete), September 1999.
24. XVIIIth International Congress of Zoology, Athens, September 2000
25. The Forth International Symposium on the Lacertids of the Mediterranean Basin. Mahon, Menorca (Spain), May 2001.
26. 9th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Thessaloniki, May 2002.
27. The Fifth International Symposium on the Lacertids of the Mediterranean Basin. Lipari, Aeolian Islands (Italy), May 2004.

28. 13th Ordinary General Meeting of Societas Europea Herpetologica. Bonn (Germany), September 2005
29. 10th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Patras, June 2006
30. 1st European Congress of Conservation Biology, “Diversity for Europe”. Eger, Hungary, August 2006.
31. The Sixth International Symposium on the Lacertids of the Mediterranean Basin. Mithymna, Lesvos (Greece), June 2008.
32. 11th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Iraklio, September 2009.
33. 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Athens, June 2012.

B. National Meetings

1. 19th Annual Conference of Hellenic Society for Biological Sciences. Thessaloniki, May 1997.
2. 20th Annual Conference of HSBS. Samos Isl., May 1998.
3. 21st Annual Conference of HSBS. Syros Isl., Μάιος 1999.
4. 22^d Annual Conference of HSBS. Skiathos Isl., Μάιος 2000.
5. Theofrastos 2000, Biodiversity and Natural Heritage in Aegean Sea, Eressos, Lesvos Isl., July 2000.
6. 23^d Annual Conference of HSBS. Chios Island, May 2001.
7. 24th Annual Conference of HSBS. Eretria, May 2002.
8. 25th Annual Conference of HSBS. Mytilini, Lesvos Isl., May 2003.
9. 26th Annual Conference of HSBS. Volos, May 2004.
10. 2nd Pan Hellenic Conference of Hellenic Society of Ecologists. Mytilini, Lesvos Isl., November 2005.
11. 3d Pan Hellenic Conference of Hellenic Society of Ecologists. Ioannina, November 2006.
12. 29th Annual Conference of HSBS. Kavala, May 2007.
13. 30th Annual Conference of HSBS. Thessaloniki, May 2008.
14. 3rd Pan Hellenic Conference of Hellenic Society of Ecologists. Volos, November 2008.
15. 31st Annual Conference of HSBS. Patra, May 2009.
16. 32nd Annual Conference of HSBS. Karpenisi, May 2010.
17. 33rd Annual Conference of HSBS. Edessa, May 2011.
18. 34st Annual Conference of HSBS. Trikala, May 2012.

19. 4th Pan Hellenic Conference of Hellenic Society of Ecologists. Mytilini, October 2008.
20. 37th Annual Conference of HSBS. Volos May 2015
21. 38th Annual Conference of HSBS. Kavala May 2015

Publications

A. Ph.D. Thesis

1. **E.D. Valakos** (1990). The ecology of the lizard *Podarcis erhardii* (Bedriaga, 1882) (Sauria: Lacertidae) in a typical insular ecosystem on Naxos Island. University of Athens 214 p.
2. **Valakos E. D.** (1991). The ecology of the lizard *Podarcis erhardii* (Bedriaga, 1882) (Sauria: Lacertidae) in a typical insular ecosystem on Naxos Island (Greece). *Rev. Esp. Herp.* **5**:151-153.
3. **Valakos E. D.** (1991). Ecology of the lizard *Podarcis erhardii* (Bedriaga,1882) (Sauria: Lacertidae) in a typical insular ecosystem on the island of Naxos. *Biologia Gallo-Hellenica* **16**: 205-209.

B. Publications in peer review journals

1. **Valakos, E.** (1986). The feeding ecology of *Podarcis erhardii* (Reptilia - Lacertidae) in a main insular ecosystem. *HERPETOLOGICAL JOURNAL* **1**: 118-121.
2. **Valakos, E. & A. Vlachopoulos** (1989). Note on the ecology of *Cyrtodactylus kotschy* in an insular ecosystem of the Aegean. *Biol. Gall. Hellen.* **15**: 179-184.
3. **Valakos, E. D.** (1989). Thermal ecology of *Cyrtodactylus kotschy* (Steindachner, 1870) (Sauria - Gekkonidae) in the insular ecosystems of the Aegean. *HERPETOLOGICAL JOURNAL* **1**: 396-399.
4. **Valakos, E. D. & R. M. Polymeni** (1990). The food of *Cyrtodactylus kotschy* (Steindachner, 1870) (Sauria - Gekkonidae) during the wet season in the mediterranean insular ecosystem of the Aegean. *HERPETOLOGICAL JOURNAL* **1**:474-477.
5. Mylonas, M. & **E.D.Valakos** (1990). Contribution to the biogeographical analysis of the Reptiles distribution in the Mediterranean islands. *Revista. Espaniola. Herpetologia.* **4**: 101-107.
6. P. Maragou & **E. D. Valakos** (1992). Contribution to the thermal ecology of *Testudo marginata* (Shoepfe 1792) and *Testudo hermanni* (Gruelin 1789) (Chelonia: Testudinidae) in semi-captivity. *HERPETOLOGICAL JOURNAL* **2**: 48-50.

7. **Valakos, E.** & Mylonas, M. (1992). Distribution and ecological aspects of the herpetofauna of Strofades Islands (Ionian Arcipelago, Greece). *HERPETOZOA* **5** : 33-39.
8. Mylonas, M., Botsaris, I., Sourdis, I., **Valakos, E. D.** (1995). On the Development, habitat selection and Taxonomy of *Helix (Jacosta) siphnica* Kobelt, 1983 (Gastropoda, Helicellinae). *ZOOLOGICAL JOURNAL LINNEAN SOCIETY-LOND* **115**:347-357.
9. **Valakos, E. D.**, Maragou, P. and Mylonas, M. (1995). Geographical distribution: *Podarcis erhardii*. *SSAR Herp. Rev.* **26**:155.
10. Kasapidis, P., Provatidou, S., Maragou, P., **Valakos, E.D.** (1996). Neue Daten über die Herpetofauna von Lesbos (Agaische Inseln Griechenland) und einige biogeographische Bemerkungen über die Inseln des nordöstlichen agaischen Archipels. *SALAMANDRA* **32**: 171- 180.
11. Maragou P., **Valakos E.D.**, Gianopoulos Z., Stavropoulou A., & Chondropoulos, B. (1996). Aspects on the Feeding Ecology of *Podarcis peloponnesiaca* (Sauria- Lacertidae) during spring. *HERPETOZOA* **9**: 105-110.
12. Adamopoulou C., **Valakos, E.** & Legakis,A. (1997). Notes on the diet and reproduction of the Cyclades Blunt-nosed Viper *Macrovipera schweizeri* (Werner, 1935) *HERPETOZOA* **10**: 173-175.
13. Adamopoulou C., Pafilis P. & **Valakos E.** (1999). Diet composition of *Podarcis milensis*, *Podarcis gaigeae* and *Podarcis erhardii* (Sauria: Lacertidae) during summer. *Boon. Zool. Beit.***48**: 275-282.
14. Maragou, P., B. Chondropoulos & **E.D. Valakos** (1999). Comparative data on reproduction in *Podarcis erhardii*, *Podarcis peloponnesiaca* and *Podarcis taurica* (Reptilia, Sauria, Lacertidae). *Israel Journal of Zoology* **45**:487-496.
15. **Valakos, E. D.**, Maragou, P. and Mylonas, M. (1999). Geographical distribution: *Podarcis erhardi i*. *SSAR Herp. Rev.* **30**:52-53.
16. Adamopoulou, C. & **Valakos, E.D.** (2000). Small clutch size in a Mediterranean endemic lacertid (*Podarcis milensis*). *Copeia* 2000 (2): 610-615.
17. Chondropoulos, B., S. Fraguedakis, N. Tsekoyra, G., Tryfonopoulos, P. Pafilis, and E. **Valakos** (2000). Contribution to the study of the genetic variability and taxonomic relationships among five lizards species of the family Lacertidae from Greece. *BELGIAN JOURNAL OF ZOOLOGY* **130**: 35-39.
18. Dimaki, M., **E. D. Valakos**, & A. Legakis (2000). Variation in body temperatures of the African Chamaeleon *Chamaeleo africanus* Laurenti, 1768 and the Common Chameleon *Chamaeleo chameleo*. L. *BELGIAN JOURNAL OF ZOOLOGY* **130**: 87-91.

19. Dimaki, M., **E.D. Valakos** & A. Legakis and B. Chondropoulos (2000). Morphometric analysis of the African chamaeleon *Chamaeleo africanus* Laurenti , 1768 from southern Peloponnese, Crece. *Israel Journal of Zoology* **46**:231-237
20. Poulakakis,N., P. Lymperakis, A. Antoniou, D. Chalkia, E. Zouros, M. Mylonas, and **E. Valakos** (2003). Molecular phylogeny and biogeography of the wall-lizard *Podarcis erhardii* (Squamata: Lacertidae). *MOLECULAR PHYLOGENETICS & EVOLUTION* **28**: 38-46.
21. Mantziou, G., N. Poulakakis, P. Lymperakis, **E. Valakos** and M. Mylonas (2004). The inter- and intraspecific status of Aegean *Mauremys rivulata* (Chelonia, Bataguridae) as inferred by mitochondrial DNA sequences. *HERPETOLOGICAL JOURNAL* **14**: 35-45.
22. Giokas, S., Pafilis, P. & **E.D. Valakos** (2005). Seasonal ecological and physiological adaptations of the land snail *Albinaria caerulea* (Gastropoda, Pulmonata, Clausiliidae). *JOURNAL MOLLUSCAN STUDIES* **71**: 15-23.
23. Pafilis, P., **E.D. Valakos** & J. Foufopoulos (2005). Comparative post-autotomy tail activity in six Mediterranean lacertid lizard species. *PHYSIOLOGICAL & BIOCHEMICAL ZOOLOGY* **78**(5): 828-838.
24. Adamopoulou, C. & **Valakos, E.D.** (2005). Thermal ecology and activity of *Podarcis milensis* in a sandy coastal area. *Israel Journal of Zoology* **51** : 39-52. [IF: 0,432]
25. Poulakakis, N., Lymberakis, P. Zouros, E., Pafilis, P., **E.D. Valakos** & M. Mylonas (2005). Phylogeography of Balkan wall lizard (*Podarcis taurica*) and its relatives inferred from mitochondrial DNA sequences. *MOLECULAR ECOLOGY* **14** (8): 2433-2443.
26. Poulakakis, N., P.Lymperakis, **E.D. Valakos**, P. Zouros, P & M. Mylonas (2005). Phylogenetic relationships and biogeography of *Podarcis* species from the Balkan Peninsula by Bayesian and maximum likelihood analyses of mitochondrial DNA sequences. *MOLECULAR PHYLOGENETICS & EVOLUTION* **37**: 845- 857.
27. Pafilis, P., Foufopoulos, J., Poulakakis, N., Lymberakis, P. & **E.D. Valakos** (2007). Digestive performance in five Mediterranean lizard species: effects of temperature and insularity. *JOURNAL COMPARATIVE PHYSIOLOGY B* **177**: 49-60. [IF: 2,619]
28. **Valakos, E.D.**, Kourkouli, A., Skopeliti, M., Pafilis, P., Poulakakis, N., Voutsas, I.F., Lymberakis, P., Simou, C., Voelter, W. & O.E. Tsitsilonis (2007). Combining immunological and molecular data to assess phylogenetic relations of some Hellenic *Podarcis* species. *COMPARATIVE BIOCHEMISTRY & PHYSIOLOGY B* **147**: 1-10. [
29. Giokas, S., Karkoulis, P, Pafilis, P. & **E.D. Valakos** (2007). Relictual physiological ecology in the threatened land snail *Codrigtonia helenae*: a

- cause for decline in a changing environment? *ACTA OECOLOGIA* **32**:269-278
30. Pafilis, P., Perez-Mellado, V. & **E.D. Valakos** (2008). Post autotomy tail activity in Balearic wall lizard, *Podarcis lilfordi*. *NATURWISSENSCHAFTEN* **95**: 217-221.
 31. Pafilis, P. & **E.D. Valakos** (2008). Loss of caudal autotomy during life in Balkan green lizard (*Lacerta trilineata*). *JOURNAL OF NATURAL HISTORY* **42** : 409- 419.
 32. Simou, C., Pafilis, P., Skella, A., Kourkouli, A. & **E. D. Valakos** (2008). Physiology of original and regenerated tails in Cycladian Wall Lizard (*Podarcis erhardii*). *Copeia* 2008 3: 504-509. [
 33. Lymberakis P., N. Poulakakis, A. Kaliontzopoulou, **E. Valakos** and M. Mylonas (2008). Two new species of *Podarcis* (Squamata; Lacertidae) from Greece. *SYSTEMATICS & BIODIVERSITY* **6**: 307-318.
 34. Runemark, A., Gabirot, M., Bensch, S., Svensson, E., Martin, X., Pafilis, P., **E.D. Valakos**, and B. Hansson (2008). Identification of polymorphic microsatellite loci in *Podarcis gaigeae* and *Podarcis hispanica* (Squamata: Lacertidae) and assessment of their utility in three other *Podarcis* species. *MOLECULAR ECOLOGY RESOURCES* (2008) **8**:1367–1370.
 35. Pafilis P., J.Foufopoulos, N.Poulakakis, P.Lymperakis & **E.D. Valakos** (2009). Tail shedding in island lizards [Lacertidae, Reptilia]: Decline of antipredator defenses in relaxed predation environments. *EVOLUTION* **63**: 1262-1278
 36. Hurston H., J. Bonanno, L. Voith, J. Foufopoulos, P. Pafilis, **E.D. Valakos**, and N. Anthony (2009). Effects of fragmentation on genetic diversity and parasitism in the Aegean wall lizard *Podarcis erhardii* (LACERTIDAE, REPTILIA). *MOLECULAR PHYLOGENETICS & EVOLUTION* **52**: 395-405 .
 37. Pafilis P., Meiri S., Foufopoulos J. & **E.D. Valakos** (2009) Intraspecific competition and high food availability drive insular gigantism in a lizard. *NATURWISSENSCHAFTEN* **96**: 1107-1113.
 38. Tsasi, G., Pafilis, P., Simou, C. & **E.D. Valakos** (2009). Predation pressure, density-induced stress and tail regeneration: a casual-nexus situation or a bunch of independent factors? *AMPHIBIA-REPTILIA* **30**: 471-482.
 39. Roca V., Foufopoulos J., **Valakos E.D.** & Pafilis P. (2009). Parasitic Infracommunities of the Aegean wall lizard *Podarcis erhardii* (Lacertidae, Sauria): isolation and impoverishment in small island populations *AMPHIBIA-REPTILIA* **30**: 493-503. [
 40. Vervust B., **Valakos E.**, Pafilis P. & Van damme R. (2010). Anatomical and physiological changes associated with a recent dietary shift in the lizard *Podarcis sicula*. . *PHYSIOLOGICAL & BIOCHEMICAL ZOOLOGY* **83**: 632-642 .

41. Anna Runemark, Bengt Hansson, Panayiotis Pafilis, **Efstratios D. Valakos** and Erik I Svensson (2010). Island biology and morphological divergence of the Skyros wall lizard *Podarcis gaigeae*: a combined role for local selection and genetic drift on color morph frequency divergence? *BMC Evolutionary Biology* 10:269
42. Pafilis, P., Foufopoulos, J., Sagonas, K., Runemark, A., Svensson, E., **Valakos E. D.** (2011). Reproductive biology of insular reptiles: Marine subsidies modulate expression of the “Island Syndrome”. *Copeia* 2011: 545-552.
43. Kelepertzis E., A.Argyraki, **E.Valakos**, E. Daftsis (2012). Distribution and accumulation of metals in tadpoles inhabiting the metalliferous streams of eastern Chalkidiki, northeast Greece. *ARCHIVES OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY* 63:409-420 .
44. Kotsakiozi, P., Pafilis, P., Giokas, S., **Valakos, E.** (2012A). A comparison of the physiological responses of two land snail species with different distributional ranges. *JOURNAL MOLLUSCAN STUDIES* 78: 217-224 .
45. Kotsakiozi, P., Parmakelis, A., Giokas, S., Papanikolaou, I., **Valakos, E. D.** (2012b). Mitochondrial phylogeny and biogeographic history of the Greek endemic land-snail genus *Codringtonia* Kobelt 1898 (Gastropoda, Pulmonata, Helicidae). *MOLECULAR PHYLOGENETICS & EVOLUTION* 62: 681-692.
46. Kotsakiozi, P., Rigal, F., **Valakos, E. D.**, 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 LINNEAN SOCIETY* 110:796-813.
47. Pafilis, P., Anastasiou, I., Sagonas, K., **Valakos, E. D.** (2013): Grazing by goats on islands affects the populations of an endemic Mediterranean lizard. *JOURNAL OF ZOOLOGY* 290: 255-264.
48. Sagonas, K., Meiri, S., **Valakos, E. D.**, Pafilis, P. (2013A). The effect of body size on the thermoregulation of lizards on hot, dry Mediterranean islands. *JOURNAL OF THERMAL BIOLOGY* 38: 92-97.
49. Sagonas, K., **Valakos, E. D.**, Pafilis, P. (2013B). The impact of insularity on the thermoregulation of a Mediterranean lizard. *JOURNAL OF THERMAL BIOLOGY* 38: 480-486. [
50. Chovalopoulou E.M., **E.Valakos**, S.K.Manolis (2013). Sex determination by three-dimensional geometric morphometrics of the palate and cranial base. *ANTHROPOLOGISCHER* 70:407-425. [
51. Kostas Sagonas, Nikos Poulakakis, Petros Lymberakis, Aristeidis Parmakelis, Panayiotis Pafilis, **Efstratios D. Valakos** (2014). Molecular systematics and historical biogeography of the green lizards (*Lacerta*) in Greece: insights from mitochondrial and nuclear DNA. *MOLECULAR PHYLOGENETICS & EVOLUTION* 76: 144-154.

52. Kostas Sagonas, Panayiotis Pafilis, Petros Lymberakis, Colin M. Donihue, Anthony Herrel and **Efstratios D. Valakos** (2014). Insularity affects head morphology, bite force and diet in a Mediterranean lizard. *BIOLOGICAL JOURNAL OF LINNEAN SOCIETY* **112**:469-484. DOI: 10.1111/bij.12290.
53. Kotsakiozi P, Parmakelis A, Aggeli I-K, Gaitanaki C, Giokas S, **Valakos E.D.** (2014). Water balance and expression of heat-shock protein 70 in *Codringtonia* species: A study within a phylogenetic framework. *JOURNAL MOLLUSCAN STUDIES* 2014:1-13.
54. Anastopoulou I., Eliopoulos C., **Valakos E.D.**, Manolis S.K. (2014). Application of Purkait's triangle method on a skeletal population from southern Europe. *FORENSIS SCIENCE INTERNATIONAL* **245**: 203.e1-203.e4.
55. Sagonas K.,Pafilis P., Lymperakis P., Valakos E.D. (2015). Trends and patterns in the feeding ecology of the widespread Balkan green lizard *Lacerta trilineata* (Squamata: Lacertidae) in insular and continental Greece. *NORTH-WESTERN JOURNAL OF ZOOLOGY* **11** (1): 117-126.
56. Dimaki M.,Chondropoulos B., Legakis A., **Valakos E.**, & Vergetopoulos M. (2015). New data on the distribution and population density of the African *Chamaeleo Chamaeleo africanus* and the Common Chamaeleon, *Chamaeleo chamaeleon* in Greece. *HYLA*. Vol 2015 (1): 6-43
57. Michopoulou E., Nikita E., **Valakos E.D.** (2015). Evaluating the Efficiency of Different Recording Protocols for Enteseal Changes in Regards to Expressing Activity Patterns Using Archival Data and Cross-Sectional Geometric Properties. *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY*. 158:557-568
58. Sagonas K.,Pafilis P.,**Valakos E.D.** (2015). Effects of insularity on digestion: living on islands induces shifts in physiological and morphological traits in island reptiles. *THE SCIENCE OF NATURE- NATURWISSENSCHAFTEN* **102**:1. DOI 10.1007/s00114-015-1301-8.
59. Mina D., Sagonas K., Fragopoulou A. F.,Pafilis P., Skouroliakou Aik., Margaritis L.H., Tsitsilonis O.E., **Valakos E.D.** (2016). Immune responses of a wall lizard to whole-body exposure to radiofrequency electromagnetic radiation. *INTERNATIONAL JOURNAL OF RADIATION BIOLOGY*. 92(3):162-168.
60. Chovalopoulou M.-E., **E.D. Valakos** & S.K. Manolis (2016). Sex determination by three-dimensional geometric morphometrics of the vault and midsagittal curve of the neurocranium in a modern Greek population sample. *HOMO* **67** (3): 173-187
61. Pafilis P., S. Meiri, K. Sagonas, D. Karakasi, E. Kourelou & **E.D. Valakos** (2016). Body Size Affects Digestive Performance in a Mediterranean Lizard. *HERPETOLOGICAL JOURNAL* **269**(3):199-205.

62. Kotsakiozi, A. Parmakelis, A. Konstantakis, **E.D. Valakos** (2016). Climatic conditions driving a part of changes in the biochemical composition in land snails: Insights from the endangered *Codringtonia* (Gastropoda: Pulmonata), *BIOLOGIA* 71 (8): 903-916.
63. K Sagonas, IA Rota, OE Tsitsilonis, P Pafilis, **ED Valakos** (2016). Infection risk dictates immunological divergence among populations in a Mediterranean lizard. *JOURNAL OF EVOLUTIONARY BIOLOGY*.29:1680-1688
64. Chovalopoulou M.-E., **E.D. Valakos** & S.K. Manolis (2016). Sex determination by three-dimensional geometric morphometrics of craniofacial form. *ANTHROPOLOGISCHER* 73(3):195-206.
65. Panayiotis Pafilis, Petros Lymberakis, Kostas Sagonas, **Efstratios Valakos** (2016). The particularities of a remote islet shape the thermoregulatory profile of an endemic Mediterranean lizard. *JOURNAL THERMAL BIOLOGY* 61:55-60.
66. P Lymberakis, **ED Valakos**, K Sagonas, P Pafilis (2016). The castaway: characteristic islet features affect the ecology of the most isolated European lizard. *ACTA HERPETOLOGICA* 11:161-169.
67. Anat Belasen, Kinsey Brock, Binbin Li, Dimitra Chremou, **Efstratios Valakos**, Panayiotis Pafilis, Barry Sinervo, Johannes Foufopoulos (2017). Fine with heat, problems with water: microclimate alters water loss in a thermally adapted insular lizard. *OIKOS* 126: 447–457, 2017
68. K Sagonas, N Karambotsi, A Bletsas, A Reppas, P Pafilis, **ED Valakos** (2017) Tail regeneration affects the digestive performance of a Mediterranean lizard. *THE SCIENCE OF NATURE* 104:22.
69. K Sagonas, G Kapsalas, **E Valakos**, P Pafilis (2017). Living in sympatry: the effect of habitat partitioning on the thermoregulation of three Mediterranean lizards . *JOURNAL THERMAL BIOLOGY*.65:130-137.

C. Publications in proceedings under review

1. Mylonas, M. & **E. Valakos** (1988). Biogeographical analysis of the herpetofauna of the Greek islands. *Rapp. Comm. int. Medit.* 31, 2: 131.
2. Chondropoulos B., P. Maragou & **E. D.Valakos** (1993). The food consumption of *Podarcis taurica ionica* (Lehrs, 1902) in the Ionian Islands. Στο: *Lacertids of the Mediterranean Basin*, E. D. Valakos, V. Perez Mellado, W. Boehme, P. Maragou (eds), pp. 173-182.
3. Perez - Mellado, V., **E .D. Valakos**, F. Guerrero and M. J. Gil Costa. (1993). Ecological similarity of lacertids lizards in the Mediterranean region. The case of *Ophisops elegans* and *Psammodromus hispanicus*. Στο: *Lacertids of the Mediterranean Basin*, E. D. Valakos, V. Perez Mellado, W. Boehme, P. Maragou (eds), pp.231-242.
4. **Valakos, E.D.**, Adamopoulou, C., Maragou,P.& M. Mylonas (1997). The food of *Podarcis milensis* and *Podarcis erhardii* in the insular ecosystems of the Aegean,- Pp.373-381. Στο: Boehme W., Bischoff, W. & T. Ziegler (eds): *Herpetologica Bonnensis* ,Bonn (S.E.H).416pp.

5. Maragou, P., **Valakos, E.D.** & B.P. Chondropoulos (1997). Comparative ecology of two sympatric lizard species, *Lacerta graeca* and *Podarcis peloponnesiaca* endemic to Peloponnisos (Greece) Pp. 265-272. In: Boehme W., Bischoff, W. & T. Ziegler (eds): *Herpetologica Bonnensis* , Bonn (S.E.H) 416pp.
6. Meliadou A., Provatidou S. & **Valakos E.** (1999). An application of Geographic Information Systems using the endemic and protected reptile species of Greece. Στο: *Contributions to the Zoogeography and Ecology of the eastern Mediterranean region* (E.Z.E). Volume 1, pp. 229 –236.
7. **Pafilis, P.**, Theologidis, J., Gaitanaki, K., & Valakos, E. (1999). The effect of temperature on the digestive efficiency of prey components in two lacertrds lizards. 5th International Congress of Comparative Physiology and Biochemistry. Calgary, Comparative Physiology and Biochemistry 124 A (Suppl.): S.139.
8. Dimaki, M., **Valakos E.D.**, Legakis A., Chondropoulos, B. and Bonetti, A. (2001). Preliminary results on the feeding ecology of the African Chamaeleon *Chamaeleo africanus laurenti*, 1768 from southern Peloponnese, Greece pp. 57-63 In: P. Lymperakis, E. Valakos, P. Pafilis, M. Mylonas (eds). *Herpetologia Candiana* Iraklio (S.E.H.) 138p.
9. **Pafilis, P.** and E.D. Valakos (2004), Temperature effect on the digestive efficiency of the main organic compounds in two Mediterranean lizards. In: *Proceeding 10th MEDECOS, April 25-1 May, Rhodes, Greece*, Arianoutsou and Papanastasis (eds) p.75 Millpress 2004.

D. Publications in journals with review from editors

1. **Valakos, E.** & D. Papapanagiotou (1985). The herpetofauna of Kastellorizo (Megisti) island (SE Aegean Archipelago). *Brit. Herp. Soc. Bul.* **13**: 9-12.
2. **Valakos, E.** (1987). New locality records of three Greek reptiles. *OGH - Nachrichten.* **12/13**: 70-71.
3. V. Perez-Mellado V., **E.D. Valakos**, M. J. Gill, F.Guerrero, J. Lulch, P. Navarro, & P. Maragou (1999). Herpetological notes from mainland and insular Greece. *Brit. Herp. Soc. Bul.* **67**: 33-38.

E. Publications in proceedings without review

1. **Valakos, E.** (1987). The food of some Lacertidae in the insular ecosystems of the Aegean. *Proc.4th Ord. Gen. Meet. S.E.H.* Nijmegen, pp. 407 - 410.
2. **Valakos, E.** & A. Vlachopanos (1987). The feeding ecology of *Cyrtodactylus kotschy* in an insular ecosystem of the Aegean. *Proc. 4th Ord. Gen. Meet.S.E.H.* Nijmegen. pp. 411-414.

E. Reviews

1. Bobori, D., B. Chondropoulos, P.S. Economidis, V. Flari, S. Fraguedakis-Tsolis, S. Kazantzidis, M. Lazaridou – Dimitriadoy, A. Legakis, **E. Valakos** & V.P. Vogiatzis. (1996). The diversity of the Fauna of Greece. Pp: 489-514. In: S. Dafis et.al. (eds). *Directive 92/43/EEC. The Geek " Habitat" Project Natura 2000: An Overview.* Commission of the european Communitie DG XCI, The Goulandris Natural History Museum- Greek biotope/Wetland Centre 917 p.

2. B. P. Chondropoulos, **E. Valakos** (1996) E.4. Reptiles. Pp 567-593. In: S. Dafis et.al. (eds). *Directive 92/43/EEC. The Geek "Habitat" Project Natura 2000: An Overview*. Commission of the European Communities DG XCI, The Goulandris Natural History Museum- Greek biotope/Wetland Centre 917 p.
3. **Valakos, E.**, B. P. Chondropoulos (1996). E.5. Amphibians. Pp-594-603. In: S. Dafis et.al.(eds). *Directive 92/43/EEC. The Geek "Habitat" Project Natura 2000: An Overview*. Commission of the European Communities DG XCI, The Goulandris Natural History Museum- Greek biotope/Wetland Centre 917 p

D. Books and CDs

- S. Valakos " *Mind: The function of brain*. RAM editions, Athens December 2002, p.100 (in Greek).
- S.Valakos " *The mammals of Greece*", CD, Magenta Athens 1997(in Greek)
- S. Valakos " *Jungles and Savannas*" CD, ROM Magazine, 1999 (in Greek)..

D. Participation in Books

- **E.D. Valakos**, M. Dimakis, P. Pafilis (2004). *Natural History of Lesvos: Reptiles and Amphibians*, University of Athens, 130 p. (in Greek).
- **E.D. Valakos**, M. Dimakis, P. Pafilis (2005). *Natural History of Lesvos: Reptiles and Amphibians*, University of Athens, 130 p. (in English).
- E.D. Valakos, P. Lymperakis, P. Marangou, **P. Pafilis**, K. Sotiropoulos, J. Foufopoulos (within 2007). *Reptiles and Amphibians of Greece*, Chimaera Publications, Frankfurt am Mainz (in English).
- P. Pafilis & E. Valakos (2012). *Reptiles and Amphibians of Greece, Patakis Editions* (in Greek).
- E. Valakos, P. Pafilis, G. Papamichael, P. Georgiakakis, P. Lymperakis Ch. Simou (2012). *Natural History of Lesvos: Mammals*, University of Athens, 240 p.

E. Co-editor

- **Valakos E. D.**, Boehme W., Perez-Mellado V., Maragou P. " *Lacertids of the Mediterranean Basin. A Biological approach*". Athens, Bonn, Alicante. Hellenic Zoological Society, 1993, 281 σελίδες.
- **Valakos E. D.** & Maragou P. *Book of Abstracts of first International Congress on the Lacertids of the Mediterranean Basin*. Mytilini, 1992
- Lymperakis, P., **E. Valakos**, P. Pafilis, M. Mylonas, editors. «*Herpetologia Candiana*», Societas Herpetologica Europea. Irakleio, Crete 2001, 138 p.

E. Translations

- Member of the translation group in Greek of the «Environmental Physiology of Animals» by P. Willmer, G. Stone and I. Johnston.
- Member of the translation group in Greek of the «Conservation Biology» by R. Primack.

- Member of the translation group in Greek of «Biological Anthropology» by A. Fuentes.

F. Other publishing activity

- 91 presentations in International congresses
- 74 presentations in National congresses
- 30 articles in Greek edition of “National Geographic”.
- 15 articles of popular science in the Magazine “ Science and Discovery”

Other activities

- Member of Scientific Societies:

Hellenic Zoological Society

Hellenic Herpetological Society

Hellenic Society of Biological Sciences

Society for the Study of Amphibians and Reptiles

Societas Europaea Herpetologica

British Herpetological Society

Asociation Herpetologica Espanola

International Gecko Society

Osterreichischen Gessellschaft fur Herpetologie

American Society of Ichthyologist and Herpetologist

The Herpetologist League, Inc

- Member of the Scientific Board of the 1th to 6th Symposium on the Lacertids of the Mediterranean Basin.
- Member of the Organizing Committee of the 1th Symposium on the Lacertids of the Mediterranean Basin, Mytilini, Lesvos IIs, April 1992
- Member of the National Organizing Committee of the 10th Ordinary General Meeting (Societas Europae Herpetologica), Irakleio, Crete, September 1999.
- Founder member of the Hellenic Herpetological Society.
- Member of the Board of the Hellenic Herpetological Society (1999-2008)
- President of the Organizing Committee of the 6th Symposium on the Lacertids of the Mediterranean Basin, Mytilini, Lesvos IIs, June 2008.
- Member of the Organizing Committee of the 34th-38th Annual conferences of HSBS

