

CURRICULUM VITAE

Dr. KOSTAS A. TRIANTIS

PERSONAL INFORMATION

Country of Birth: Greece (3rd June 1976)

Citizen: Greece, **Home Address:** Terra Chã, 9700-851 Angra do Heroísmo, Portugal.

Office Address: Universidade dos Açores, Departamento de Ciências Agrárias, CITA-A (Grupo da Biodiversidade dos Açores).

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CURRENT STATUS

SCIENTIFIC INTERESTS

My research interests span diverse themes within ecological biogeography and ecology, including: Diversity theory, scale in ecological and biogeographical analysis, island biogeography; conservation biogeography; macroecology, ecological modelling and environmental heterogeneity.

I am an authority in the ecology and biogeography of a number of taxa of the Aegean Islands (Greece), such as land snails, terrestrial isopods and recently plants and ground beetles. I am also a specialist in the taxonomy of Greek land snails and especially on those distributed on the Aegean Islands.

EDUCATION

2006-2002: Ph. D. Department of Biology, University of Crete, Greece. "Environmental biology – management of terrestrial and marine resources".

2002-2000: M.Sc., Department of Biology, University of Crete (Greece). "Environmental biology – management of terrestrial and marine resources".

2000: B.S., Department of Biology, University of Crete (Greece).

SCHOLARSHIPS AND AWARDS

2007: Marie Curie Research Fellow, February 2007- July 2008: "Structuring the European Research Area" action "Marie Curie Actions Human Resources and Mobility Intra-European Fellowships". University of Oxford, School of Geography, Oxford University Centre for the Environment (OUCE).

2003: «Manasaki» Award for the highest degree among the students of the three graduate programs of the Biology department of the University of Crete (Greece).

2002: Award from Greek State Scholarships Foundation for the highest degree in the M.S., Programm "Environmental biology – management of terrestrial and marine resources", Department of Biology, University of Crete (Greece).

2001: Competitive scholarship from the M.Sc., Program "Environmental biology – management of land-living and marine resources", Department of Biology, University of Crete, Greece.

TEACHING EXPERIENCE

2008: Tutorials on Island Biogeography. Topics: a) Island biodiversity and loss and b) Island theory and conservation. Oxford University Centre for the Environment, School of Geography.

2000-2005: Teaching assistant in the undergraduate courses, Zoology I & II, Biogeography and Island Ecology of the Biology Department of the University of Crete.

2002-2005: Teaching Associate in the postgraduate course of Island Ecology of the Biology Department of the University of Crete.

SUPERVISION OF RESEARCH STUDENTS

2007-2008: Elli Tzirkalli, master's student, *Application of the Small Island Effect models in habitat islands* (co-supervisor with Robert J. Whittaker).

2007-2008: Emily Green, undergraduate student, *Biodiversity on oceanic islands: correlation and cause* (co-supervisor with Robert J. Whittaker).

PARTICIPATION IN SCIENTIFIC PROGRAMS

2006-2007: PYTHAGORAS: Reinforcement of research groups in Greek Universities» E.P.E.A.E.K II. "The effect of habitat fragmentation on the genetic structure of populations: a comparative approach using four species of isopods with different ecological requirements". University of Patras, Greece. Position in the program: **Research associate**.

2004-2006: «PYTHAGORAS: Reinforcement of research groups in Universities» E.P.E.A.E.K II. (140.000 €). "Multidimensional approach of biodiversity in two island groups of the Aegean Sea". Position in the program: **New scientist**.

2004-2007: *Study of the land snails in the protected areas of Cyprus* (140.000 €). Position in the program: **Research associate**.

2003-2006: «HERACLITUS: Research scholarships with priority in basic research. E.P.E.A.E.K II (34.240 €). "Biogeography and ecology of land snails and isopods on islands of the Aegean Sea in relationship to environmental heterogeneity and area". Position in the program: **PhD candidate**.

INVITED SPEAKER

2007: Triantis, K.A. Big ideas about the small island effect or area is the devil's own variable. Biodiversity Research Cluster Seminar Series, OUCE, Oxford University. (07/03/07).

2008: Triantis, K.A. Evolutionary species-area curves as revealed by single-island endemics: insights for the inter-provincial species-area relationship. Biodiversity Research Cluster Seminar Series, OUCE, Oxford University. (14/02/07).

2008: Triantis, K.A. Aspects of the species-area relationship. NERC Centre for Population Biology, Seminar Series, Imperial College. (02/06/08).

2009: Triantis, K.A. Evolutionary species-area curves. Symposium: Evolutionary islands 150 years after Darwin. Leiden, Ολλανδία. (12-13/02/09).

2009: Triantis, K.A. Oceanic Islands: Diversity patterns and extinctions. La Laguna University, Tenerife, Canary Islands, Spain (16/12/2009).

PUBLICATIONS

PUBLISHED JOURNAL ARTICLES

B.1 **Triantis, K.A.**, Mylonas, M., Lika, K. and Vardinoyannis, K., 2003. A model for the species-area-habitat relationship. *Journal of Biogeography*, 30(1): 19-30.

B.2 Cameron, R.A.D., Mylonas, M., **Triantis, K.A.**, Parmakelis, A., and Vardinoyannis, K. 2003. Land snail diversity in a square kilometre of Cretan maquis: Modest species richness, high density and local homogeneity. *Journal of Molluscan Studies*, 69: 93-99.

B.3 **Triantis, K.A.**, Vardinoyannis, K. and Mylonas, M. 2004. Contribution to the knowledge of the terrestrial malacofauna of the island group of Dionysades (Crete, Greece). *Journal of Conchology*, 38: 383-391.

B.4 **Triantis, K.A.**, Pokryszko, B.M., Vardinoyannis, K., and Mylonas, M. 2004. A new species of *Truncatellina* (Gastropoda: Vertiginidae) from mount Ossa (=Kisavos) (Greece). *Journal of Conchology*, 38: 393-397.

B.5 **Triantis, K.A.**, Mylonas, M., Weiser, M. D, Lika, K. and Vardinoyannis, K. 2005. Species richness, environmental heterogeneity and area: A case study based on land snails in Skyros archipelago (Aegean Sea, Greece). *Journal of Biogeography*, 32:1727-1735.

B.6 **Triantis, K.A.**, Vardinoyannis, K. and Mylonas, M., 2005. Area and habitat relationships in island land snail faunas: an Aegean case study exploring the choros model. *Records of the*

Western Australian Museum, 68: 133-141. Special publication of the “Pattern and process in land mollusc diversity” symposium of the 15th World Congress of Malacology, Perth Australia.

B.7 **Triantis, K.A.**, Vardinoyannis, K., Tsolaki, E., Botsaris, I., Lika, K. and Mylonas, M. 2006. Re-approaching the small island effect. *Journal of Biogeography*, 33, 914–923.

B.8 Panitsa M., Tzanoudakis D., **Triantis K.A** & Sfenthourakis S. 2006. Patterns of species richness on very small islands: the plants of the Aegean archipelago. *Journal of Biogeography*, 33, 1223–1234.

B.9 **Triantis, K.A.**, Vardinoyannis, K., Mylonas, M. 2008. Biogeography, land snails and incomplete data sets: The case of three island groups in the Aegean Sea. *Journal of Natural History*, 42: 467–490.

B.10 Whittaker, R.J., **Triantis, K.A.**, Ladle, R.J. 2008. A general dynamic theory of oceanic island biogeography. *Journal of Biogeography*, 35: 977-994.

B.11 **Triantis, K.A.**, Sfenthourakis, S., Mylonas, M. 2008. Biodiversity patterns of terrestrial isopods from two island groups in the Aegean Sea (Greece): Species-area relationship, small island effect, and nestedness. *Ecoscience*, 15: 169-181.

B.12 Trichas, A., Lagkis, A., **Triantis K.A.**, Poulakakis N., Chatzaki, M. 2008. Biogeographic patterns of some island groups in the south Aegean area, based on darkling beetle fauna (Coleoptera, Tenebrionidae). *Journal of Natural History*, 42: 491–511.

B.13 **Triantis, K.A.**, Mylonas, M. & Whittaker, R.J. 2008. Evolutionary species-area curves as revealed by single-island endemics: insights for the interprovincial species–area relationship. *Ecography*, 31: 401-407.

B.14 Parmakelis, A., Klossa-Kilia, E., Kiliass G., **Triantis, K.A.** and Sfenthourakis, S. 2008. *Trachelipus kytherensis* in Greece, phylogeography and systematics: a preliminary approach using three mtDNA gene segments. *Biological Journal of the Linnean Society*, 95: 361–370.

B.15 **Triantis, K.A.**, Nogués-Bravo, D., Hortal, J., Borges, P.A.V., Adersen, H., Fernández-Palacios, J.M., Araújo, M.B., Whittaker, R.J. 2008. Measurements of area and the (island) species-area relationship: new directions for an old pattern. *Oikos*, 117: 1555-1559.

B.16 Sfenthourakis, S. and **Triantis, K.A.** 2009. Habitat diversity, ecological requirements of species, and the Small Island Effect. *Diversity and Distributions*, 15: 131–140.

B.17 **Triantis, K.A.**, Parmakelis, A. & Cameron, R.A.D. 2009. Understanding fragmentation: snails show the way. *Journal of Biogeography*, 36: 2021–2022.

B.18 Hortal, J., **Triantis, K.A.**, Meiri, S., Thébault, E. and Sfenthourakis, S. 2009. Island species richness increases with habitat diversity. *American Naturalist*, 174: E205–E217.

Among the 20 more accessed papers of *Am. Nat.* (April, 2010)

B.19 Santos, A.M.C., Whittaker, R.J., **Triantis, K.A.**, Jones, O.R., Borges, P.A.V., Quicke, D.L.J., Hortal, J. 2010. Are species-area relationships from entire archipelagos congruent with those of their constituent islands? *Global Ecology & Biogeography* (accepted).

B.20 Cardoso, P., Arnedo, M., **Triantis, K.A.**, Borges, P.A.V. 2010. Drivers of diversity in Macaronesian spiders and the role of species extinctions. *Journal of Biogeography* (accepted).

B.21 **Triantis, K.A.**, Borges, P.A.V., Ladle, R.J., Hortal, J., Cardoso, P., Gaspar, C., Dinis, F., Mendonça, E., Silveira, L.M.A., Gabriel, R., Melo, C., Santos, A.M.C., Amorim, I.R., Ribeiro, S.P., Serrano, A.R.M., Quartau, J.A., and Whittaker, R.J. 2009. Predicting extinctions on oceanic islands. *Ecography* (accepted).

CHAPTERS IN BOOKS

Γ.1 **Triantis, K.A.** & Mylonas, M. 2009. Greek Islands, Biology. In: *Encyclopedia of Islands* (Gillespie R. & Glague D.A., eds.), pp. 388-392. University of California Press.

Γ.2 Whittaker, R.J., **Triantis, K.A.**, Ladle, R.J. 2009. A general dynamic theory of oceanic island biogeography: extending the MacArthur–Wilson theory to accommodate the rise and fall of volcanic islands. In: *The Theory of Island Biogeography Revisited*. Losos JB, Ricklefs RE (eds), pp. 88-115. Princeton University Press.

Γ.3 **Triantis, K.A.** & Whittaker, R.J. 2009. Radiation zone. In: *Encyclopedia of Islands* (Gillespie R. & Glague D.A., eds.), pp. 772-775. University of California Press.

Γ.4 **Triantis, K.A.** & Whittaker, R.J. 2011. Island Biogeography. In: *Encyclopedia of Geography* (Warf, B. ed.). SAGE Publications.

Γ.5 **Triantis, K.A.**, Borges, P.A.V., Hortal, J. & Whittaker, R.J. 2011. The Macaronesian province: patterns of species richness and endemism of arthropods. In: *Terrestrial arthropods of Macaronesia – Biodiversity, ecology and evolution* (Artur R. M. Serrano, Paulo A. V. Borges, Mário Boieiro & Pedro Oromí, eds.).

Γ.6 **Triantis, K.A.** & Bhagwat, S.A. 2011. Applied island biogeography. In: *Conservation Biogeography* (Richard J. Ladle & Robert J. Whittaker eds).

OTHER ACTIVITIES

- Reviewer in the following journals: 1) Science, 2) Acta Oecologica, 3) Biotropica, 4) Bulletin of Volcanology, 5) Conservation Biology, 6) Diversity, 7) Ecography, 8) Ecological Research, 9) Ecology, 10) Ecology Letters, 11) Frontiers of Biogeography, 12) Global Ecology and Biogeography, 13) Journal of Biogeography, 14) Journal of Molluscan Studies, 15) Methods in Ecology and Evolution, 16) North-Western Journal of Zoology, 17) Oikos, 18) Perspectives in Plant Ecology, Evolution and Systematics, 19) Turkish Journal of Zoology.
- Ample experience in field work since I have been participating in the sample collecting expeditions of the Natural History Museum of Crete since 1997. Besides expeditions in mainland Greece I have participated in expeditions in more than 70 islands and islets of the Aegean Sea.
- Discovery of *Troglorhynchus triantisi* n.sp. Alziar & Makris, 2007.
- Member of the editorial board of the journals: a) Journal of Biofeography, and b) Diversity.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- International Biogeography Society
- Hellenic Zoological Society
- Hellenic Ecological Society