

A Curriculum Vitae of Antonios D. Mazaris

Academic career

Antonios D. Mazaris completed his Bachelor degree on Forestry and Natural Environment at the Aristotle University of Thessaloniki in 1999. He obtained his MSc degree in Geography, from the Department of Geography, Queen Mary and Westfield College, University of London (UK), with specializations in Environmental Change and Environmental Management. He received his PhD in 2005 from the Department of Environment Studies, University of the Aegean. He was trained as both an ecologist and biostatistician with his PhD thesis entitled: “Modeling population dynamics and of loggerhead sea turtles by considering the impacts of land use change, habitat loss and fragmentation of its nesting habitats”.

From 2005 until 2007, he undertook post doctoral research in the Department of Environment Studies, University of the Aegean. From 2007 until 2011, he worked as a post doctoral researcher at the Department of Ecology, School of Biology, Aristotle University of Thessaloniki. For the period between 2008 and 2010 he was a Visiting Lecturer at Department of Ecology and he served as a Qualified Scientific Personnel at the School of Agricultural Technology, Technological Educational Institute of Western Greece.

In 2010 Antonios D. Mazaris was elected as Lecturer on “Ecological Modeling”, at the School of Biology, Aristotle University of Thessaloniki, (appointed in January 2012).

Teaching experience

Antonios D. Mazaris has a teaching experience in the field of ecology and conservation biology since 2007, by organizing and/or participating at 6 undergraduate courses: (a) "Principles of Sustainability and Management" School of Biology, Aristotle University of Thessaloniki (2007-today); (b) “Introduction to Ecology" School of Biology, (2007-today); (c) “Population Dynamics” (2007-2009) School of Biology; (d) “Ecology”, School of Agricultural Technology, Technological Educational Institute of Western Greece (2007-2010); (e) “Methods in Scientific Research”, School of Agricultural Technology, Technological Educational Institute of Western Greece (2008-2009); (f) “Statistical Analysis” School of Agricultural Technology, Technological Educational Institute of Western Greece (2008-2010).

He has also participated at 4 postgraduate courses, including 2 international courses: (a) Lectures on “Ecological Networks”, Metapopulation theory” & “Connectivity”, in the Master programme in *Web Science*, organized by the Mathematics Department of Aristotelian University of Thessaloniki and supported by the Municipality of Veria (2010-today); (b) Coordination of the unit “Environment, Ecosystems Process and Issues” at the International Msc *Environmental Management Program* at the Mediterranean Agronomic Institute of Chania (2010-today); (c) Coordination of the unit “Mitigation measures vs. desertification processes” at the International Msc *Environmental Management Program* at the Mediterranean Agronomic Institute of Chania (2011-2012); (d) Lectures in the Msc course *Ecological Planning, Sustainable Development and Management of Protected Areas* organized by the School of Biology, Aristotle University of Thessaloniki (2009-2012); (e) Lectures in the *Master of Environmental Sciences, Policy and Management - Erasmus Mundus* on “Ecosystems Management and Modelling” (2006-2007) (f) Coordination of summer practical exercises of the Msc program *Environmental Policy and Management*, organized by the Department of Environment, University of the Aegean (2006-2007).

Research

The research group of Antonios D. Mazaris currently includes 1 postdoctoral researcher, 2 PhD candidates and 3 Master students working on issues related to biodiversity conservation and ecological modeling. He research currently focuses on ecological modeling, conservation biogeography and assessments on theoretical and empirical aspects of species diversity and distributions. Particular areas of recent research include Management and Conservation of Protected Areas (with an emphasis on the Natura 2000 conservation network of the European Union).

Since 2005, he has participated in 12 National and European research projects. Currently, he remains an active collaborator of several research groups in Germany, France, Italy, Sweden, US, and UK.

Research Collaboration with Governmental and Non Governmental Organizations

- 2008-2012. **Kallisto- Environmental Organization for Wildlife and Nature** – Responsibility: application of ecological models and development of habitat suitability models for Brown Bear (*Ursus arctos*), evaluating the impacts of a road network to species persistence and habitat use.
- 2009-2010. **WWF-Greece** – Responsibility: Statistical analysis of data on nesting activities of loggerhead sea turtles collected over a ten year period.
- 2007-2008. **Hellenic Wildlife Hospital** - Responsibility: Evaluating potential threats to birds in Greece, statistical analysis of time series data.
- 2006. **Pelagos – The Cetacean Research Institute** – Responsibility: modeling population dynamics of Sperm Wales in the eastern Mediterranean, information used for IUCN conservation status update (The World Conservation Union held at Ministry of State in Monaco, 5-7 March 2006).
- 2002-2005. **The Sea Turtle Protection Society of Greece (ARCHELON)** – Responsibility: monitoring and analysis of sea turtle nesting activities.
- 2002-2003. **National Marine Park of Zakynthos** (under the contract of Greek Ministry of Agriculture) - Responsibility: evaluating the efficiency of different conservation measures for loggerhead sea turtles.

Member of Scientific Societies

Society of Conservation Biology // International Sea Turtle Society // European Ecological Federation // Hellenic Ecological Society // Hellenic Society for Acoustic Ecology // Societas Hellenica Herpetologica // Hellenic Network for Biodiversity Research

Increasing public awareness and popularising of ecological science

- 2012. Responsible for the public awareness activity entitled: “Acoustic ecology: the sound of nature”, under the project: “Aristotle University of Thessaloniki open the gates for the public: experiments, presentations, observations”.
- Several scientific articles have been reviewed and presented in national newspapers and magazines.
- Interviews in media.

B. Publications

Antonios D. Mazaris has 32 published articles in scientific peer reviewed journals and more than 10 chapters in Book and Conference proceedings.

List of publications (scientific journals)

1. Katsiapi, M., **Mazaris, A.D.**, Charalampous, E., Moustaka-Gouni, M. Watershed land use types as drivers freshwater phytoplankton structure. *Hydrobiologia*. DOI: 10.1007/s10750-012-1095-z *In press*
2. Votsi, N., **Mazaris, A.D.**, Kallimanis, A.S., Zomeni, M., Vogiatzakis, I.N., Sgardelis, S.P., Pantis, J.D. 2012. Ecological effects of roads in the Greek Natura 2000 network. *Nature Conservation*, 1: 53–71.
3. Votsi, N-E.P., **Mazaris, A.D.**, Drakou, E.G., Kallimanis, A.S., Pantis, J.D. 2012. Distance-based assessment of open country Quiet Areas in Greece. *Landscape and Urban Planning*, 104: 279-288.
4. Kallimanis, A.S., **Mazaris, A.D.**, Tsakanikas, D., Dimopoulos, P., Pantis, J.D., Sgardelis, S.P. 2012. Efficient biodiversity monitoring: which taxonomic level to study? *Ecological Indicators*, 15: 100-104.
5. Papanikolaou, A.D., Fyllas, N.M., **Mazaris A.D.**, Dimitrakopoulos, P.G., Kallimanis, A.S., Pantis, J.D. 2011. Grazing effects on plant functional group diversity in Mediterranean shrublands. *Biodiversity and Conservation* 20: 2831-2843.
6. Drakou, E.G., Kallimanis, A.S., **Mazaris, A.D.**, Apostolopoulou, E., Pantis, J.D. 2011. Habitat type richness associations with environmental variables: a case study in the Greek Natura 2000 aquatic ecosystems. *Biodiversity and Conservation* 20: 929–943.
7. Casale, P., **Mazaris, A.D.**, Freggi, D. 2011. Estimation of age at maturity of loggerhead sea turtles *Caretta caretta* in the Mediterranean using length frequency data. *Endangered Species Research* 13: 123-129.
8. **Mazaris, A. D.**, Kallimanis, A. S., Tzanopoulos, J., Sgardelis, S. P., Pantis, J. D. 2010. Can we predict the number of plant species from the richness of a few common genera, families or orders? *Journal of Applied Ecology* 47: 662-670.
9. **Mazaris, A.D.**, Moustaka-Gouni, M., Michaloudi, E., Bobori, D.C. 2010. Biogeographical patterns of freshwater micro- and macroorganisms: a comparison between phytoplankton, zooplankton and fish in the eastern Mediterranean. *Journal of Biogeography* 37: 1341-1351.
10. **Mazaris, A.D.**, Kallimanis, A.S., Tzanopoulos, J., Sgardelis, S.P., Pantis, J.D. 2009. Sea surface temperature variations in core foraging grounds drive nesting trends and phenology of loggerhead turtles in the Mediterranean Sea. *Journal of Experimental Marine Biology and Ecology*, 379: 23-27.
11. **Mazaris, A.D.**, Kallimanis, A.S., Papdimitriou, K., Hatsigianidis, G., Pantis, J.D. 2009. Spatiotemporal analysis of an acoustic environment: interactions between landscape features and sounds. *Landscape Ecology*, 24: 817-831.
12. Papadimitriou, K., **Mazaris, A.D.**, Kallimanis, A.S., Pantis, J.D., 2009. Cartographic Representation of the Sonic Environment. *The cartographic Journal*, 46: 126-135.
13. Casale, P., **Mazaris, A.D.**, Freggi, D., Vallini, C., Argano, R. 2009. Growth rates and age at adult size of loggerhead sea turtles (*Caretta caretta*) in the Mediterranean Sea, estimated through capture-mark-recapture records. *Scientia Marina* 73, 589-595.
14. **Mazaris, A.D.**, Kramer-Schadt S., Johst K., Tzanopoulos, J., Matsinos, Y.G., Pantis, J.D. 2009. Assessing the relative importance of conservation measures applied on sea turtles: comparison of measures focusing on nesting success and hatching recruitment success. *Amphibia-Reptilia* 30: 221-231.
15. **Mazaris, A.D.**, Matsinos, Y.G., Pantis, J.D. 2009. Evaluating the impacts of coastal squeeze on sea turtle nesting. *Ocean and Coastal Management* 52: 139–145.
16. Drakou, E.G., Bobori, D.S., Kallimanis, A.S., **Mazaris, A.D.**, Sgardelis, S.P., Pantis, J.D. 2009. Freshwater fish community structured more by dispersal limitation than by environmental heterogeneity. *Ecology of Freshwater Fish*, 18: 369-379.

17. Kalpakis, S., **Mazaris, A.D.**, Mamakis, Y., and Pouloupoulos, Y. 2009. A retrospective study of mortality and morbidity factors for Common Buzzards *Buteo buteo* and Long-legged Buzzards *Buteo rufinus* in Greece: 1996-2005. *Bird Conservation International*, 19:15-21.
18. **Mazaris, A.D.**, Kallimanis, A.S., Sgardelis, S.P., Pantis, J.D. 2008. Do long-term changes in sea surface temperature at the breeding areas affect the breeding dates and reproduction performance of Mediterranean loggerhead turtles? Implications for climate change. *Journal of Experimental Marine Biology and Ecology* 367, 219–226
19. **Mazaris, A.D.**, Matsinos, Y.G., and Pantis, J.D. 2008. Evaluating the effect of varying clutch frequency in nesting trend estimation of sea turtles. *Amphibia Reptilia* 29, 361-369
20. **Mazaris, A.D.**, Mamakis, Y., Kalpakis, S., Pouloupoulos, Y., Matsinos, G.Y., 2008. Evaluating potential threats to birds in Greece: an analysis of a 10-year data set from a rehabilitation centre. *ORYX* 42, 408-414
21. Kallimanis A.S., Tsiafouli, M.A., Pantis J.D., **Mazaris A.D.**, Matsinos, Y., Sgardelis, P.S. 2008. Arable land and habitat diversity in Natura 2000 sites in Greece. *Journal of Biological Research* 9, 55-66
22. **Mazaris, A.D.**, Tzanopoulos, J., Kallimanis, A.S., Matsinos, Y.G., Sgardelis, S.P., Pantis, J.D. 2008. The contribution of common and rare species to plant species richness patterns: the effect of habitat type and size of sampling unit. *Biodiversity and Conservation* 17, 3567–3577
23. Kallimanis, A.S., **Mazaris, A.D.**, Tzanopoulos, J., Halley, J.M., Pantis, J.D., Sgardelis, S.P. 2008. How does habitat diversity affect the species-area relationship? *Global Ecology and Biogeography* 17, 532–538
24. **Mazaris, A.D.**, Kallimanis, A.S., Sgardelis, S.P., Pantis, J.D. 2008. Does higher taxon diversity reflect richness of conservation interest species? The case for birds, mammals, amphibians, and reptiles in Greek protected areas. *Ecological Indicators* 8, 664-671.
25. Matsinos, Y.G., **Mazaris, A.D.**, Papadimitriou, K., Maioglou, D., Mniestris, A., Pantis, J.D. 2008. Spatio-temporal variability in human and natural sounds in a rural landscape. *Landscape Ecology* 23, 945–959
26. Casale, P., **Mazaris, A.D.**, Freggi, D., Basso, R., Argano, R. 2007. Survival probabilities of loggerhead sea turtles (*Caretta caretta*) estimated from capture-mark-recapture data in the Mediterranean Sea. *Scientia Marina* 71, 365 - 372.
27. **Mazaris, A.D.**, Matsinos, Y.G., Margaritoulis, D. 2006. Nest site selection of loggerhead sea turtles: The case of the island of Zakynthos, W Greece. *Journal of Experimental Marine Biology and Ecology* 336, 157 - 162.
28. Kornaraki, E., Matossian, D., **Mazaris, D.A.**, Margaritoulis, D., and Matsinos, G.Y. 2006. Effectiveness of different conservation measures for loggerhead sea turtle (*Caretta caretta*) nests at Zakynthos Island, Greece. *Biological Conservation* 130, 324 - 330.
29. **Mazaris, A.D.**, Breckling B., and Matsinos, Y.G., 2006. An Individual-based model of a sea turtle population to analyze effects of age dependent mortality. *Ecological Modelling* 198, 174-182.
30. **Mazaris, A.D.**, and Matsinos, Y.G., 2006. An individual based model of sea turtles: investigating the effect of temporal variability on population dynamics. *Ecological Modelling* 194, 114 - 124.
31. **Mazaris, A.D.**, Fiksen, Ø., Matsinos Y.G., 2005. Using an individual based model for assessment of sea turtle population viability. *Population Ecology* 47, 179 - 191.
32. **Mazaris, A.D.**, Kornaraki, L., Matsinos, Y.G., Margaritoulis, D. 2004. Modelling the effect of sea surface temperature on sea turtle nesting activities by investigating seasonal trends. *Natural Resource Modeling* 17, 445 - 465.

C. Research achievements in the last 10 years

Fellowships

- During his PhD studies (2000-2005) Antonios D. Mazaris was awarded a **Marie Curie fellowship** (2003) to undertake research at the Advanced Training Site in Marine Ecology (BATMARE - Group of Ecological Modeling, Dept. of Fisheries and Marine Biology) in University of Bergen, Norway.
- In 2003, he was also awarded a **Global Fellowship in Marine Conservation** from Duke University, Beaufort, N.C., USA, to participate at teaching and research activities at Duke Marine Lab, Nicholas School of the Environment.
- In 2004 he was a second **Marie Curie fellowship** to undertake research at the Department of Environmental Modelling, UFZ in the Centre for Environmental Research, Leipzig – Halle, Germany.
- From 2004 his PhD research was supported by the European Science Foundation and the Greek Ministry of Education under the research scholarship “**Hrakteitos- Program for Basic Research**”.
- During the academic year 2010-2011, he was awarded a “**Research of Excellence - Fellowship for Post Doctoral Researchers**” by the Aristotle University of Thessaloniki, Greece.

Board Member

- From 2010 (until present) he serves as an elected **Member of the Board** of the Hellenic Ecological Society.
- In 2010 (until present) he was appointed as **Scientific Expert and Acting Member of the Board** of Prespa National Park, a position that was appointed by the Greek Ministry of Environment, Energy and Climate Change.
- In 2011 he was invited by the General Secretariat for Macedonia-Thrace of the Greek Ministry of Development, Competitiveness and Shipping to serve as a **Member of a Scientific Expert Committee of External Advisors** on issues related to biodiversity conservation and protected areas.
- In 2012 he was invited by the Rector of Aristotle University of Thessaloniki to participate in the **Scientific Committee** for the development of a “**Research Excellence Strategic Framework**” for Aristotle University (until present).

Articles

Several scientific articles published by Antonios D. Mazaris have been listed among the most download articles based on 3 or 6 month periodic reports provided by the scientific journals.

The recent paper [3] entitled: “Distance-based assessment of open country Quiet Areas in Greece” that was published in *Landscape and Urban Planning* in 2012, was selected for inclusion in Science for Environment Policy, http://ec.europa.eu/environment/integration/research/research_alert_en.htm, the European Commission's environmental news service for policy makers, distributed to over 14,500 subscribers.

Scientific Journals and Conferences

- **Assistant Editor & Member of Editorial Board** (2011-) of the Journal of Biological Research-Thessaloniki (ISSN: 1790-045X)
- **Reviewer:** Biodiversity and Conservation, Biological Conservation, Bird Conservation International, Canadian Journal of Zoology, Chelonian Conservation and Biology, Journal of Experimental Marine Biology and Ecology, Integrative Zoology, International Journal of Biodiversity and Conservation, Landscape Ecology, Marine Biology, ORYX, PloS One
- **Invited** as a Session Co-Chair and **Program Committee** at the 4th Mediterranean Conference on Marine Turtles, Napoli, Italy (7th – 10th November 2011).
- **Scientific Committee** of the 6th National Congress of Ecology "Ecological Research in Greece: Trends, Challenges and Applications" (to be held in Athens, Greece 4-7 October 2012).
- **Participated** in 9 national and 24 international scientific conferences with more than 80 oral or poster presentations:

- 12th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. 18 - 22 June 2012, Athens, Greece.
- 4th Mediterranean Conference on Marine Turtles, 7 – 10 November 2011, Napoli, Italy
- International Conference of AgriBioMediterraneo, IFOAM: "Organic Agriculture and Agro-Eco Tourism in the Mediterranean". 16 – 18 September 2011, Zakynthos, Greece.
- 16th Workshop of the International Association of Phytoplankton Taxonomy and Ecology (IAP). 21-28 August 2011, San Michele all'Adige (Trento), Italy.
- 32nd Annual Conference of the Hellenic Society for Biological Sciences. 20–22 May 2010, Karpenissi, Greece.
- 19th International Conference on Bear Research and Management, 16-22 May 2010, Tbilisi, Georgia.
- 2nd Conference of Acoustic Ecology, February 26-27, 2010, Rethymnon Greece.
- 5th Conference of the Hellenic Ecological Society. 7-10 October 2010, Patra, Greece.
- International Conference of the World Forum for Acoustic Ecology. 3-7 October 2010, Corfu, Greece.
- 2nd European Congress of Conservation Biology “Conservation Biology and beyond: from science to practice” 1-5 September 2009, Prague, Czech Republic.
- 52nd International Symposium on “Vegetation Processes and Human Impact in a Changing World”. 30 May-4 June, 2009, Chania, Greece.
- 40 Conference of the Hellenic Ecological Society and the Hellenic Zoological Society . 1-12 October 2008, Volos, Greece.
- EURECO –GFOE 2008. European Ecological Congress. 12-17 September 2008, Leipzig, Germany.
- 10 Conference of Acoustic Ecology, 30 November – 1 December 2007, Corfu, Greece
- 27th Sea Turtle Symposium Myrtle Beach. 22-28 February 2007, South Carolina, USA.
- 1st European Congress of Conservation Biology, 22-26 August 2006, Eger, Hungary.
- 30 Conference of the Hellenic Ecological Society and the Hellenic Zoological Society, 16-19 November 2006, Ioannina, Greece.
- 26th Annual Symposium on Sea turtle Biology and Conservation. 3-8 April 2006. Island of Crete, Greece.
- 25th Annual Symposium on Sea Turtle Biology and Conservation. 18-22, January 2005, Savannah, Georgia, USA.
- Second Mediterranean Conference on Marine Turtles. 4-7 May 2005, Antalya, Turkey.
- X European Ecological Congress. 8-13 November, 2005, Kusadasi, Turkey.
- ICCMSE 2005 (International Conference of Computational Methods in Sciences and Engineering). 21-26 October 2005, Loutraki, Greece.
- 24th Annual Symposium on Sea Turtle Biology and Conservation. 23-27 February, 2004, San Jose, Costa Rica.
- Annual Meeting of the Working Group for Restoration Ecology of the GfO, Institute of Ecology "How to Assess and Measure Biodiversity Within Restoration Projects?", Technical University of Berlin, 1-3 April 2004, Berlin, Germany.
- Biodiversity research that matter! Electronic conference organised by EPBRS, November 2004, Amsterdam, Holland.
- Conference of the Hellenic Ecological Society and the Hellenic Zoological Society 18-21 November 2004, Levsos, Greece.
- 70 Conference of the Hellenic Geographical Society, 14-17 October 2004, Levsos, Greece.
- The Fourth European Conference on Ecological Modelling (ECEM) and the Fourth International Workshop on Environmental Applications of Machine Learning (EAML). September 27-1 October 2004, Bled, Slovenia.
- 1st Conference of the Hellenic Ecological Society, 27-28 September 2003, Thessaloniki, Greece.
- Extinction Thresholds Conference (insights from ecology, genetics, epidemiology and behaviour). 2-5 September 2002, Helsinki, Finland.
- Conference on Protected areas and local Development. 18-20 July 2002, Sigri-Lesvos, Greece.
- 2002 World Conference on Natural Resource Modelling “Modelling Biotic and Natural Resources in a Changing Planet”. 23-26 June 2002, Sigri, Lesvos, Greece.

D. Research Projects

	Starting date	Ending date	Title	Budget	Role in the research team	Source of funding
1	1/1/2012	1/9/2015	The pollinators of the Aegean: biodiversity and threats	600,000.00€	Member of scientific team	Greek Ministry of Education
2	1/5/2009	31/7/2014	SCALES - Securing the Conservation of biodiversity across Administrative Levels and spatial, temporal, and Ecological Scales	359,400€ total: 9,804,844.00€	Member of scientific team	7th Framework Programme- FP7-ENV-2008-2
3	27/04/2012	27/06/2013	Management plans for the river basins of the districts of West and Central Macedonia-Greece, according to the Water framework directive 2000/60/EU.	2.382.873,77€	Member of scientific team	Greek Ministry of Environment Energy and Climate Change - Operational program for Environment and sustainable development.
4	27/09/2010	26/09/2012	Scientific support for the management and protection of species and habitats of the Natura 2000 network	120.000,00 €	Member of scientific team	Greek Ministry of Environment Energy and Climate Change
5	1/2/2012	1/10/2012	Actions for supporting youth business dexterity	67.000€	Member of scientific team	Greek National Youth Foundation - Eurodesk
6	19/11/2008	28/2/2012	SOILSERVICE – Conflicting demands of land us, soil biodiversity and the sustainable delivery of ecosystem goods and services in Europe”	4.583.766,00 €	Member of scientific team	7th Framework Programme – FP7-ENV-2007-1
7	3/8/2007	17/02/2009	Monitoring and assessment of construction effects of Egnatia road (east part of Metsovo to Panagia) on large mammals and their habitats.	10.000€	Member of scientific team	Egnatia Odos A.E.
8	6/1/2006	30/11/2008	East Mediterranean Network for the sustainable development of protected areas	94.447,52 €	Member of scientific team	European Commission & Ministry of Finance - INTERREG
9	9/1/2006	31/10/2008	Development of knowhow for the evaluation and improvement of the Natura 2000 network in Greece	76.745,00 €	Member of scientific team	Greek, General Secretariat of Research and Development.

10	1/7/2005	31/12/2007	Pythagoras Project: Studying and mapping Greek soundscapes	200.000,00 €	Member of scientific team	Operational Program for Education and Initial Vocational Training (EPEAEK) of the Hellenic Ministry of Education under the 3rd European Community Support Framework for Greece.
11	2003	2006	Monitoring and assessment of Egnatia road construction effects on large mammals and their habitats.	18.761 €	Member of scientific team	Egnatia Odos A.E.
12	1/10/ 2002	1/11/2005	HRAKLEITOS project: Modeling population dynamics and of loggerhead sea turtles by considering the impacts of land use change, habitat loss and fragmentation of its nesting habitats	65,000.00€	Principal researcher	Cofounded by the Greek Ministry of Education and Religious Affairs and the European Union