

# Danai-Eleni Michailidou, Biologist, PhD Candidate

## Personal Information

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## Education

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2016 – present	PhD candidate in Biology, Department of Ecology, School of Biology, Aristotle University of Thessaloniki
2016	MSc in “Applications of Biology – Ecology and Conservation Biology”, School of Biology, Aristotle University of Thessaloniki, Greece
2013	Bachelor’s degree, School of Biology, Aristotle University of Thessaloniki, Greece
2011	Erasmus student exchange program, Freie Universität Berlin, Germany

## Participation in Research Projects

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10/2023 – present	Flagship actions in interdisciplinary scientific areas with a special interest in the connection with the productive tissue “Resilience, Inclusion and Development: Towards a Fair Green and Digital Transition of the Greek Regions” – TAEDR-0537352, Greece
07/2022 – 09/2022	Virtual Mobility Grantee in Cost Action 18237 “European Soil-Biology Data Warehouse for Soil Protection (EUdaphobase)”, remote
01/2020 – 04/2021	Researcher in the project “The species-area relationship differently: estimation of the minimum area that encompasses S species” (MIS 5047923), Greece

## Workshops

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2023	Introduction to Artificial Intelligence and Prediction Algorithms, National and Kapodistrian University of Athens, Athens, Greece
2021	Crash Course on Python, Google, online
2020	Introduction to Git and Github, Google, online
2016	Advanced use of Geographic Information Systems (ArcGIS II), Marathon Data Systems, Thessaloniki, Greece
	Introduction to Geographic Information Systems (ArcGIS I), Marathon Data Systems, Thessaloniki, Greece
2015	Analysis of Ecological Data, University of the Aegean, Mitilini, Greece

## Languages

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Language	Comprehension	Oral	Writing
Greek (mother language)	5	5	5
English	5	4	4
German	3	3	3

## Technical Skills

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Programming languages	R, Python
Software	ArcGIS, QGIS, QField, SPSS, PostgreSQL, High Performance Computing (CentOS7 with Batch system Slurm), Git

## Previous Employment

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09/2022 – 07/2023	Full-time scientific collaborator at Nature Conservation Consultants Ltd, Greece
01/2019 –08/2019	Full-time scientific consultant at Management Body of Schinias National Park, Ymittos and SE Attica, Greece
05/2016 – 02/2017	Full-time scientific consultant at Spiecapag-Actor joint venture (Trans-Adriatic Pipeline project), Greece

07/2015 – 08/2015	Postgraduate internship at Nature Conservation Consultants Ltd, Greece
10/2011 – 11/2011	Internship at Hellenic Agricultural Organization – Dimitra, Greece

## Publications

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MSc dissertation	Michailidou D.-E. (2016). "Spatial diversity patterns at regional scale", School of Biology, Aristotle University of Thessaloniki.
Research articles	<p>Lazarina, M., Sgardelis, S. P., <b>Michailidou, D.-E.</b>, Tsianou, M., Andrikou-Charitidou A., Touloumis K., Kallimanis A. S. (2022). Replacement drives native <math>\beta</math>-diversity of British avifauna, while richness differences shape alien <math>\beta</math>-diversity. <i>Diversity and Distributions</i>, 29, 61. <a href="https://doi.org/10.1111/ddi.13641">https://doi.org/10.1111/ddi.13641</a></p> <p>Psaralexi M., Lazarina M., Mertzanis Y., <b>Michailidou D.-E.</b>, Sgardelis S. P. (2022). Exploring 15 years of brown bear (<i>Ursus arctos</i>)-vehicle collisions in northwestern Greece. <i>Nature Conservation</i>, 47, 105. <a href="https://doi.org/10.3897/natureconservation.47.71348">https://doi.org/10.3897/natureconservation.47.71348</a></p> <p>Tsianou, M.A., Lazarina, M., <b>Michailidou, D.-E.</b>, Andrikou-Charitidou, A., Sgardelis, S.P., Kallimanis, A.S. (2021). The Effect of Climate and Human Pressures on Functional Diversity and Species Richness Patterns of Amphibians, Reptiles and Mammals in Europe. <i>Diversity</i>, 13, 275. <a href="https://doi.org/10.3390/d13060275">https://doi.org/10.3390/d13060275</a></p> <p><b>Michailidou, D.-E.</b>, Lazarina, M., &amp; Sgardelis, S.P. (2021). Temperature and prey species richness drive the broad-scale distribution of a generalist predator. <i>Diversity</i>, 13, 169. <a href="https://doi.org/10.3390/d13040169">https://doi.org/10.3390/d13040169</a></p> <p>Lazarina, M., Charalampopoulos, A., Psaralexi, M., Krigas, N., <b>Michailidou, D.-E.</b>, Kallimanis, A. S., &amp; Sgardelis, S. P. (2019). Diversity patterns of different life forms of plants along an elevational gradient in Crete, Greece. <i>Diversity</i>, 11(10), 200. <a href="https://doi.org/10.3390/d11100200">https://doi.org/10.3390/d11100200</a></p> <p>Lazarina, M., Kallimanis, A. S., Dimopoulos, P., Psaralexi, M., <b>Michailidou, D.-E.</b>, &amp; Sgardelis, S. P. (2019). Patterns and drivers of species richness and turnover of neo-endemic and palaeo-endemic vascular plants in a Mediterranean hotspot: the case of Crete, Greece. <i>Journal of Biological Research-Thessaloniki</i>, 26(1), 12. <a href="https://doi.org/10.1186/s40709-019-0106-x">https://doi.org/10.1186/s40709-019-0106-x</a></p>
Presentations at national and international conferences	<p>Lazarina M., Touloumis K., Andrikou-Charitidou A., <b>Michailidou D.-E.</b>, Tsianou M., Sgardelis S., Kallimanis A. How time flies, avian temporal taxonomic, functional, and phylogenetic <math>\beta</math>-diversity and their components: lessons from three USA States. [INTECOL 2022 – Geneva/Switzerland, 2022.]</p> <p>Lazarina M., <b>Michailidou D.-E.</b>, Touloumis K., Sgardelis S., Tsianou M., Andrikou-Charitidou A., Kourtidis A., Kallimanis A. Patterns and drivers of avian taxonomic and functional <math>\alpha</math>- and <math>\beta</math>-diversity in Quebec. [10<sup>th</sup> Biennial Conference of International Biogeography Society, Vancouver/Canada, 2022.]</p> <p>Tsianou M., A., Lazarina M., Andrikou-Charitidou A., <b>Michailidou D.-E.</b>, Kallimanis A. The effect of climate and human pressures on functional diversity and species richness</p>

patterns of amphibians, reptiles and mammals in Europe. [1st International Electronic Conference on Biological Diversity, Ecology and Evolution - online, 2021.]

Psaralexi M., Mertzanis Y., Lazarina M., **Michaelidou D.-E.**, Sgardelis S. A chronicle of brown bear-vehicle collisions in Greece. [IENE 2020 International Conference - online, 2021.]

Psaralexi M., Votsi N.-E., Mertzanis Y., **Michailidou D.-E.**, Selva N. Roadless areas for brown bear conservation in Europe. [26th IBA Conference - Ljubljana/Slovenia, 2018.]

Lazarina M., Psaralexi M., **Michailidou D.-E.**, Memtsas G.I., Kallimanis A., Sgardelis S.P.  $\beta$ -diversity patterns of Crete plants along an elevational gradient. [9<sup>th</sup> Hellenic Conference of Ecology - Iraklio/Greece, 2018.]

**Michailidou D.-E.**, Sgardelis S., Lazarina M. What drives the spatial distribution of diversity in rodents (Rodentia)? [40<sup>th</sup> Scientific Conference of Hellenic Society of Biological Sciences - Veria/Greece, 2018.]

**Michailidou D.-E.**, Sgardelis S., Lazarina M. Spatial diversity patterns interpretation with minimum area approach. [8<sup>th</sup> Hellenic Conference of Ecology - Thessaloniki/Greece, 2016.]