

# Curriculum Vitae

Diogenis A. Kiziridis

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[Sci-DANI website](#)

## Education

2007–2012	Diploma in Biology, specialisation in Ecology, Biology Department, Aristotle University of Thessaloniki; Diploma thesis: ‘Body size and species–area relationship in a metapopulation system’, supervised by Stefanos P. Sgardelis
2013–2014	Master’s Degree in Physics of Complex Systems, Institute for Cross–Disciplinary Physics and Complex Systems (IFISC), Universitat de les Illes Balears; Master’s thesis: ‘Evolution of movement strategies under competitive interactions’, supervised by Emilio Hernández-García and Cristóbal López
2014–2018	PhD in ‘Modelling direct biotic interactions with a focus on filamentous fungi’; Mathematics Department, Swansea University; Supervised by/collaborated with Chenggui Yuan (Mathematics, Swansea University), Mike Fowler and Dan Eastwood (Biosciences, Swansea University), and Lynne Boddy (Biosciences, Cardiff University)

## Skills

Programming	C++, Java, Python, Mathematica, R, NetLogo, SQL
Laboratory	Culturing fungi on agar

## Scholarships

2007–2009	Scholarship for undergraduate studies, by the Greek State Scholarships Foundation
2013–2014	IFISC (CSIC–UIB) scholarship for Master’s studies
2014–2017	Fully-funded scholarship for PhD in Mathematics, by Swansea University

## Jobs

2019–2020	Fish stock assessment analyses at the Hellenic Centre for Marine Research, Institute of Marine Biological Resources and Inland Waters, Crete, Greece (PI: George Tserpes)
2020–2022	Plant community analyses at the Department of Botany, Aristotle University of Thessaloniki, Thessaloniki, Greece (PI: Ioannis Tsiripidis)
2022–2023	Ecological data analyses at the Department of Ecology, Aristotle University of Thessaloniki, Thessaloniki, Greece (PI: Antonios Mazaris)

## Papers

- 2019 Predicting fungal community dynamics driven by competition for space. **Danis A. Kolesidis**, Lynne Boddy, Daniel C. Eastwood, Chenggui Yuan, and Mike S. Fowler. *Fungal Ecology*, 41, 13–22. DOI:10.1016/j.funeco.2019.04.003
- 2020 Preliminary assessment of the Mediterranean swordfish stock by means of Bayesian Surplus Production Models. **Danis A. Kolesidis**, and George Tserpes. *Collective Volume of Scientific Papers - ICCAT*, 76(3), 193–204. ID:SCRS/2019/141
- 2020 Modelling fungal competition for space: towards prediction of community dynamics. **Diogenis A. Kiziridis**, Mike S. Fowler, and Chenggui Yuan. *Discrete and Continuous Dynamical Systems Series B*, 25(11), 4411–4426. DOI:10.3934/dcdsb.2020104
- 2020 Incorporating alternative interaction modes, forbidden links, and trait-based mechanisms increases the minimum trait dimensionality of ecological networks. **Diogenis A. Kiziridis**, Lynne Boddy, Daniel C. Eastwood, Chenggui Yuan, and Mike S. Fowler. *Methods in Ecology and Evolution*, 11(12), 1663–1672. DOI:10.1111/2041-210X.13493
- 2022 Acceleration and relocation of abandonment in a Mediterranean mountainous landscape: drivers, consequences, and management implications. **Diogenis A. Kiziridis**, Anna Mastrogianni, Magdalini Pleniou, Elpida Karadimou, Spyros Tsiftsis, Fotios Xystrakis, and Ioannis Tsiripidis. *Land*, 11(3), 406. DOI:10.3390/land11030406
- 2023 Simulating future land use and cover of a Mediterranean mountainous area: the effect of socio-economic demands and climatic changes. **Diogenis A. Kiziridis**, Anna Mastrogianni, Magdalini Pleniou, Spyros Tsiftsis, Fotios Xystrakis, and Ioannis Tsiripidis. *Land*, 12(1), 253. DOI:10.3390/land12010253
- 2023 Improving the predictive performance of CLUE-S by extending demand to land transitions: the trans-CLUE-S model. **Diogenis A. Kiziridis**, Anna Mastrogianni, Magdalini Pleniou, Spyros Tsiftsis, Fotios Xystrakis, and Ioannis Tsiripidis. *Ecological Modelling*, 478, 110307. DOI:10.1016/j.ecolmodel.2023.110307
- 2023 Decoupled functional and phylogenetic diversity provide complementary information about community assembly mechanisms: A case study of Greek forests. Anna Mastrogianni, **Diogenis A. Kiziridis**, Milan Chytrý, Athanasios S. Kallimanis, and Ioannis Tsiripidis. *Acta Oecologica*, 120, 103933. DOI:10.1016/j.actao.2023.103933
- 2023 Community-level differentiation of Grime’s CSR strategies along a post-abandonment secondary successional gradient. Anna Mastrogianni, **Diogenis A. Kiziridis**, Elpida Karadimou, Magdalini Pleniou, Fotios Xystrakis, Spyros Tsiftsis, and Ioannis Tsiripidis. *Flora*, 308, 152399. DOI:10.1016/j.flora.2023.152399
- 2024 Contribution to the functional flora of Greece: a case study in the northwestern Pindus Mountains. Anna Mastrogianni, **Diogenis A. Kiziridis**, Alexia Eleftheriadou, Margarita Paradisiotis, Magdalini Pleniou, Fotios Xystrakis, Spyros Tsiftsis, and Ioannis Tsiripidis. *Willdenowia*, 53(3), 269–295. DOI:10.3372/wi.53.53306
- 2024 Social-ecological spatial analysis of agroforestry in the European Union with a focus on Mediterranean countries. Dimitrios Fotakis, Ilias Karmiris, **Diogenis A. Kiziridis**, Christos Astaras, and Thomas G. Papachristou. *Agriculture*, 14(8), 1222. DOI:10.3390/agriculture14081222
- 2024 Imprints of land use history and disturbance regime in phylogenetic diversity of Mediterranean plant communities. Anna Mastrogianni, **Diogenis A. Kiziridis**, Magdalini Pleniou, Fotios Xystrakis, Spyros Tsiftsis, and Ioannis Tsiripidis. *Ecosphere*, 15(8), e4972. DOI:10.1002/ecs2.4972

## Academic teaching and marking

2014–2018	Teaching and marking assistant for Mike Fowler, in the ‘Data Analyses and Presentation’ module for Postgraduates; Biosciences Department, Swansea University
2014–2018	Teaching assistant for Luca Börger and Jim Bull, in the ‘Ecological Data Analysis’ module; Biosciences Department, Swansea University
2014–2018	Teaching and marking assistant for Mike Fowler, in ‘Data Analyses and Presentation’ module for Undergraduates; Biosciences Department, Swansea University
2014	Marking assistant for Dmitri Finkelshtein, in the ‘Calculus for Physics’ module; Mathematics Department, Swansea University
2015	Marking assistant for Carlo Mercuri, in the ‘Fundamental Algebra’ module; Mathematics Department, Swansea University
2015	Marking assistant for Martin Crossley, in the ‘Foundations of Algebra’ module; Mathematics Department, Swansea University
2016	Marking assistant for Martin Crossley, in the ‘Introductory Linear Algebra’ module; Mathematics Department, Swansea University

## Talks

2012	Body size and species–area relationship in a metapopulation system; Diploma thesis defence, Aristotle University of Thessaloniki
2014	Evolution of movement strategies under competitive interactions; Master’s thesis defence, IFISC
2015	Playing <i>Magic: The Gathering</i> <sup>®</sup> on networks of competitive interactions; College of Science Postgraduate Seminar Series, Swansea University
2015	Modelling mycelial invasion in multi-species fungal communities; International Meeting on The Invasive Fungus, British Mycological Society & Society for General Microbiology, Manchester
2015	Modelling fungal growth and interactions; 2015 Swansea–Cardiff Universities Mycological Symposium, Swansea University
2016	Modelling fungi – Fungalising models; College of Science Lunchtime Talks, Swansea University
2016	A unifying framework for the trait-based study of interactions; 16th congress of the International Society for Behavioral Ecology, Exeter
2016	A mechanistic framework for direct interactions; 8th Congress of the Hellenic Ecological Society, Thessaloniki
2016	A model of combative interactions in fungal communities; 8th Congress of the Hellenic Ecological Society, Thessaloniki
2021	Spatiotemporal patterns of land abandonment in a Mediterranean mountainous landscape: acceleration and relocation of natural vegetation succession; 10th Congress of the Hellenic Ecological Society, everywhere and nowhere (virtual)
2021	Accelerated and relocated abandonment in a Mediterranean mountainous landscape: drivers and consequences on vegetation succession; 63rd IAVS Symposium; everywhere and nowhere (virtual)
2022	Influence of abandonment and climate change on the past and future land use and cover of mountainous areas in Ioannina prefecture, Greece; 13th Conference of the Panhellenic Union of Bioscientists; Thessaloniki
2024	Improved predictions of land cover and use with the new trans-CLUE-S model: a first application to the case of abandonment in sub-mountainous areas of Ioannina prefecture, Greece; 18th Panhellenic Scientific Conference of the Hellenic Botanical Society; Thessaloniki

## Posters

2017	Rules of direct competition for space: fungi as exemplary combat system; Workshop on Mathematical Ecology, Swansea University
2017	Higher dimensionality of ecological networks under a unifying mechanistic framework; 3rd Symposium on Ecological Networks, Uppsala

## Reviewer

Journals	Animal Behaviour
	Annales Zoologici Fennici
	Negative Results—Ecology & Evolutionary Biology
	PLOS ONE
	Scientia Marina
	OIKOS
	Landscape and Urban Planning
	Land