

George C. Adamidis / CV

Current position: Assistant Professor in Functional Plant
Biology – Department of Biology,
University of Patras, Greece
Telephone: +302610996211
Email: adamidis@upatras.gr
Date of birth: 18.04.1981
Orcid: <https://orcid.org/0000-0001-8704-6623>



SELECTED EMPLOYMENT

- 10/2020 – 08/2021 **Visiting Researcher**
Prof. Eric Allan Lab - Community Ecology Group - Institute of Plant Sciences – Bern University (Bern, Switzerland)
- 03/2019 – 07/2020 **Postdoctoral Research Associate**
Prof. Andrea Grill Lab - Community Ecology Group - Institute of Ecology and Evolution - Bern University (Bern, Switzerland)
- 08/2018 - 03/2019 **Postdoctoral Research Associate**
Prof. Brent Sewall Lab - Biology Department - Temple University (Philadelphia, USA)
- 04/2017 - 11/2018 **Postdoctoral Research Associate**
Prof. Ralph Cartar Lab - Department of Biological Sciences - University of Calgary (Calgary, Canada)
- 02/2017 - 03/2017 **Adjunct Instructor**
Biology Department - Temple University (Philadelphia, USA)
- 10/2015 - 02/2016
&
11/2014 - 02/2015 **Smart Patrol System (SPS) Operator**
Life Project «Safeguarding the Lesser White-fronted Goose Fennoscandian population in key wintering and staging sites within the European flyway» - Hellenic Ornithological Society
- 02/2015 - 06/2015 **Lecturer (on contract) (Spring Semester)**
Soil science and vegetation (6th semester lesson) - Department of Environment - University of the Aegean
- 09/2010 - 05/2011 **Technical Support**
Msc Environmental Policy & Management - Department of Environment - University of the Aegean
- 05/2009 - 01/2010
&
02/2008 - 01/2009 **Technical Support (Fall & Spring Semesters)**
Msc Environmental Policy & Management - Department of Environment - University of the Aegean
- 02/2008 - 08/2008 **Research Assistant (Spring Semester)**
Biodiversity Conservation Laboratory - Department of Environment - University of the Aegean
- 09/2007 - 12/2007 **Research Fellow**
(BIOBUS - Biodiversity Resources For Innovative Business Development), EU-DG Regional Policy - Department of Environment - University of the Aegean

EDUCATION

- 11/2007 - 12/2013* **PhD**, Department of Environment, University of the Aegean

* With a nine month break (14/2/2012-14/11/2012) due to obligatory military service (Greece).

Thesis title: Serpentine ecology: ecosystem processes, plant functional traits and investigation of the function of metal hyperaccumulation in *Alyssum lesbiacum*, a serpentine endemic species from Lesbos Island (Greece).

- 10/2006 - 10/2007 **MSc** in Environmental & Ecological Engineering, Department of Environment, University of the Aegean
- 09/2000 - 02/2006 **BSc** (5 years) in Forestry, Management of Environment & Natural Resources, Democritous University of Thrace

LIST OF PUBLICATIONS

Published Journal Articles (number of citations is based on Google Scholar metrics)

1. **Adamidis GC**, Varsamis G, Tsiripidis I, Dimitrakopoulos PG, Papageorgiou AC, (2021) Patterns of leaf morphological traits of beech (*Fagus sylvatica* L.) along an altitudinal gradient. *Forests*. (Accepted, *Impact factor 2020: 2.633*)
2. Dimitrakopoulos PG, Aloupi M, Tetradis G, **Adamidis GC**, (2021) Broomrape species parasitizing *Odontarrhena lesbiaca* (Brassicaceae) individuals act as nickel hyperaccumulators. *Plants*. 10(4): 816. (*Impact factor 2020: 3.935*).
3. Zografou K, Swartz MT, **Adamidis GC**, Tilden VP, McKinney EN, Sewall BJ, (2021) Species traits affect phenological responses to climate change in a butterfly community. *Scientific Reports*. 11: 3283. (*number of citations: 1 - Impact factor 2020: 4.379*).
4. Stefanatou A, Dimitrakopoulos PG, Aloupi M, **Adamidis GC**, Nakas G, Petanidou T, (2021) From bioaccumulation to biodecummulation: nickel movement from *Odontarrhena lesbiaca* (Brassicaceae) individuals into consumers. *Science of the Total Environment*. 747, 141197. (*number of citations: 2 - Impact factor 2020: 7.963*).
5. Balaska K, **Adamidis GC**, Varsamis G, Papalazarou K, Karanikola P, Manolis A, Karapetsas A, Eliades N-G, Sandaltzopoulos R, Papamatthaiakis N, Poirazidis K, Korakis G, Papageorgiou AC, (2021) Genetic diversity and spatial structure of the imperiled European population of *Malus trilobata* in Greece. *Genetika*. 53(1). (*Impact factor 2020: 0.761*).
6. Kattge J, Bönisch G, Díaz S, Lavorel S, Prentice IC, Leadley P, Tautenhahn S, Werner G, Aakala T, Abedi M, Acosta ATR, **Adamidis GC**,... and Wirth C, (2020) TRY plant trait database - enhanced coverage and open access. *Global Change Biology*. 26, 119-188. (*number of citations: 216 - Impact factor 2020: 10.863*).
7. Boutsios S, Vidalis A, **Adamidis GC**, Hatziskakis S, Varsamis S, Tsiripidis I, Karanikola P, Papageorgiou AC, (2020) Diversity in shade and light leaf morphology in beech populations of South Rodopi mountains. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. 91: 53-61. (*Impact factor 2020: 0.642*)
8. Zografou K, Grill A, Wilson RJ, Halley JM, **Adamidis GC**, Kati V, (2020) Butterfly phenology in Mediterranean mountains using space-for-time substitution. *Ecology and Evolution*. 10:928-939. (*number of citations: 2 - Impact factor 2020: 2.912*)
9. **Adamidis GC**, Swartz M, Zografou K, Sewall B, (2019) Prescribed fire maintains host plants of a rare grassland butterfly. *Scientific Reports*. 9: 16826. (*number of citations: 2 - Impact factor 2020: 4.379*)
10. **Adamidis GC**, Hoover S, Melathopoulos A, Cartar RV, (2019) Pollinators enhance crop yield and shorten the growing season by modulating plant functional characteristics: A comparison of 23 canola varieties. *Scientific Reports*. 9: 14208. (*number of citations: 3 - Impact factor 2020: 4.379*)
11. **Adamidis GC**, Aloupi M, Mastoras P, Papadaki M-I, Dimitrakopoulos PG, (2017) Is annual or perennial harvesting more efficient in Ni phytoextraction? *Plant and Soil*. 418(1), 205-218. (*number of citations: 7 - Impact factor 2020: 4.192*)
12. Zografou K, **Adamidis GC**, Komnenov M, Kati V, Sotirakopoulos P, Pitta E, Chatzaki M, (2017) Diversity of spiders and orthopterans respond to intra-seasonal and spatial environmental changes. *Journal of Insect Conservation*. 21, 531-543. (*number of citations: 9 - Impact factor 2020: 2.262*)
13. **Adamidis GC**, Kazakou E, Aloupi M, Dimitrakopoulos PG, (2016) Is it worth hyperaccumulating Ni on non-serpentine soils? Decomposition dynamics of mixed-species litters containing hyperaccumulated Ni across serpentine and non-serpentine environments. *Annals of Botany*. 117, 1241-1248. (*number of citations: 4 - Impact factor 2020: 4.357*)

14. Zografou K, **Adamidis GC**, Grill A, Kati V, Wilson RJ, Willemse L, Halley JM, (2015) Who flies first? Habitat-specific phenological shifts of butterflies and orthopterans in the light of climate change: a methodological case study from south-east Mediterranean. *Ecological Entomology*. 40(5), 562-574. (number of citations: 11 - Impact factor 2020: 2.465).
15. **Adamidis GC**, Dimitrakopoulos PG, Manolis A, Papageorgiou AC, (2014) Genetic diversity and population structure of the serpentine endemic Ni-hyperaccumulator *Alyssum lesbiacum*. *Plant Systematics and Evolution*. 300, 2051-2060. (number of citations: 6 - Impact factor 2020: 1.631).
16. **Adamidis GC**, Kazakou E, Fyllas NM, Dimitrakopoulos PG, (2014) Species adaptive strategies and leaf economic relationships across serpentine and non-serpentine habitats on Lesbos, eastern Mediterranean. *PLoS One*. 9:e96034. (number of citations: 13 - Impact factor 2020: 3.24).
17. **Adamidis GC**, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG, (2014). The effect of harsh abiotic conditions on the diversity of serpentine plant communities on Lesbos, an eastern Mediterranean Island. *Plant Ecology and Diversity*. 7(3), 433-444. (number of citations: 16 - Impact factor 2020: 2.606).
18. **Adamidis GC**, Aloupi M, Kazakou E, Dimitrakopoulos PG, (2014). Intra-specific variation in Ni tolerance, accumulation and translocation patterns in the Ni-hyperaccumulator *Alyssum lesbiacum*. *Chemosphere*. 95, 496-502. (number of citations: 30 - Impact factor 2020: 7.086).
19. Kazakou E, **Adamidis GC**, Baker AJM, Reeves RD, Godino M, Dimitrakopoulos PG (2010) Species adaptation in serpentine soils in Lesbos Island (Greece): metal hyperaccumulation and tolerance. *Plant and Soil*. 332, 369-385. (number of citations: 69 - Impact factor 2020: 4.192).

AWARDS & PROJECTS

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| 03/2018 & 04/2017 | <p>Seal of Excellence for my Marie Curie project proposal
Certificate delivered by the European Commission, as the institution managing Horizon 2020, the EU Framework Programme for Research and Innovation 2014-2020.</p> |
| 2010 - 2013 | <p>Heraclitus II PhD Fellowship
European Union (European Social Fund – ESF) and Greek national funds through the Operational Program ‘Education and Lifelong Learning’ of the National Strategic Reference Framework (NSRF). (45,000€)</p> |
| 2007 | <p>Scholarship of excellence
First class honours in MSc (1,500€)</p> |

TEACHING EXPERIENCE

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| 04/2020 - 06/2020 | <p>Community Ecology
Teaching assistant for practicals in community ecology, Institute of Ecology and Evolution – University of Bern (Spring Semester)</p> |
| 09/2019 - 12/2019 | <p>Introduction to R Programming and Analyses
Teaching assistant for practicals in R for biology undergraduates, Institute of Ecology and Evolution – University of Bern (Fall Semester)</p> |
| 09/2019 - 12/2019 | <p>Introduction to insect identification
Teaching assistant for practicals in insect identification for biology undergraduates, Institute of Ecology and Evolution – University of Bern (Fall Semester)</p> |
| 04/2019 - 06/2019 | <p>Community Ecology
Teaching assistant for practicals in community ecology, Institute of Ecology and Evolution – University of Bern (Spring Semester)</p> |
| 02/2015 - 06/2015 | <p>Soil science and vegetation
Lecturer (on contract) at the Department of Environment - University of the Aegean (Spring Semester)</p> |
| 02/2009 - 06/2009 | <p>Design and Management of Nature Reserve Systems
Teaching Assistant at the Master’s program “Environmental Policy & Management”, Department of Environment - University of the Aegean (Spring Semester)</p> |
| 11/2008 - 01/2009 | <p>Biosphere-human society interactions: Climate, land use changes, changes in biodiversity patterns and agriculture</p> |

SELECTED CONFERENCES & MEETINGS

Presentations in Refereed Conferences and Meetings

1. **Adamidis GC**, Cartar RV, Melathopoulos A, Pernal S, Hoover S. Pollinators enhance crop yield and shorten the growing season by modulating plant functional traits: A comparison of 23 canola varieties. 33rd Annual Meeting of the Scandinavian Association of Pollination Ecology. 24-27 October 2019, Höör, Sweden.
2. **Adamidis GC**, Hoover S, Melathopoulos A, Pernal S, Harker N, Cartar RV. Bees and canola: Understanding a win-win situation. Alberta canola producers' commission, Murray Hartman's ScienceOrama - Canola Research Update. 21 March 2018, Nisku AB, Canada. (*Invited*)
3. **Adamidis GC**, Hoover S, Melathopoulos A, Pernal S, Harker N, Cartar RV. Bees and canola: Sustaining a win-win situation. Alberta beekeepers commission, Annual General Meeting and Convention. 6-8 November 2017, Edmonton AB, Canada. (*Invited*)
4. **Adamidis GC**, Swartz M, Zografou K, Sewall B. What doesn't kill you makes you stronger: effects of prescribed fire on the larval host plants of a remnant Regal Fritillary butterfly population. 102nd Ecological Society of America (ESA) Annual Meeting. 6-11 August 2017, Portland (OR), USA.
5. **Adamidis GC**, Aloupi M, Mastoras P, Papadaki M-I, Dimitrakopoulos PG. Is annual or perennial harvesting more efficient in Ni phytoextraction? 9th International Conference in Serpentine Ecology. 4-9 June 2017, Tirana & Pogradec, Albania.
6. **Adamidis GC**, Dimitrakopoulos PG, Manolis A, Papageorgiou AC. Genetic diversity and population structure of the serpentine endemic Ni-hyperaccumulator *Alyssum lesbiacum*. 7th Conference of Hellenic Ecological Society. 9-12 October 2014, Mytilene, Greece.
7. Zografou K, **Adamidis GC**, Grill A, Kati V, Wilson RJ, Willemse L, Halley JM. Habitat specific phenological shifts of butterflies and orthopterans in the light of climate change: a methodological case study from south-east Mediterranean. 7th Conference of Hellenic Ecological Society. 9-12 October 2014, Mytilene, Greece.
8. Kazakou E, **Adamidis GC**, Aloupi M, Baker AJM, Reeves RD, Dimitrakopoulos PG. Species adaptation in serpentine soils: the case of Lesbos Island, eastern Mediterranean. 10th ECOVEG congress. 9-11 April 2014, Lyon, France.
9. **Adamidis GC**, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG. Decomposition dynamics of mixed-species litters containing hyperaccumulated nickel across serpentine and non-serpentine environments. 6th Conference of Hellenic Ecological Society. 4-7 October 2012, Athens, Greece.
10. **Adamidis GC**, Aloupi M, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG. Nickel accumulation and tolerance across the different populations of the species *Alyssum lesbiacum*. 6th Conference of Hellenic Ecological Society. 4-7 October 2012, Athens, Greece.
11. **Adamidis GC**, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG. The importance of the edaphic factor in shaping serpentine plant communities: the case of ultramafic habitats in Lesbos Island, Greece. 7th International Conference on Serpentine Ecology. 12-16 June 2011, Coimbra, Portugal.
12. **Adamidis GC**, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG. Decomposition dynamics of mixed-species litters containing hyperaccumulated nickel across serpentine and non-serpentine environments. 7th International Conference on Serpentine Ecology. 12-16 June 2011, Coimbra, Portugal.
13. **Adamidis GC**, Aloupi M, Kazakou E, Baker AJM, Reeves RD, Dimitrakopoulos PG. Intra-population variation in nickel accumulation and tolerance in the serpentine endemic Ni-hyperaccumulator *Alyssum lesbiacum*. 7th International Conference on Serpentine Ecology. 12-16 June 2011, Coimbra, Portugal.
14. Kazakou E, **Adamidis GC**, Baker AJM, Reeves RD, Godino M, Dimitrakopoulos PG. Species adaptation in serpentine soils in Lesbos Island (Greece): metal hyperaccumulation and tolerance. 5th Conference of Hellenic Ecological Society. 7-10 October 2010, Patra, Greece.
15. **Adamidis GC**, Kazakou E, Dimitrakopoulos PG. Differentiations in structure and biomass production across serpentine and non-serpentine environments. 5th Conference of Hellenic Ecological Society. 7-10 October 2010, Patra, Greece.

16. **Adamidis GC**, Kazakou E, Dimitrakopoulos PG. The influence of edaphic factor and endemic species presence on structure and biomass production of serpentine communities. Page 151 in Book of abstracts - 2nd European Congress of Conservation Biology - 2009, Prague, *Czech Republic*.
17. Kazakou E, **Adamidis GC**, Troumbis A, Dimitrakopoulos PG. Leaf functional traits of species from serpentine and non-serpentine soils. Page 591 in Book of abstracts - 11th European Ecological Conference of the European Ecological Federation - GFOE, 2008, Leipzig, *Germany*.
18. **Adamidis GC**, Kazakou E, Dimitrakopoulos PG. Leaf functional traits of herbaceous plant species: differentiations across serpentine and non-serpentine soils. 4th Conference of Hellenic Ecological Society. 9-12 October 2008, Volos, *Greece*.
19. Kazakou E, **Adamidis GC**, Dimitrakopoulos PG, Baker AJM, Reeves RD, Godino M, Troumbis A. *Alyssum lesbiacum*: a new Ni-hyperaccumulating species. 4th Conference of Hellenic Ecological Society. 9-12 October 2008, Volos, *Greece*.

SUMMER SCHOOLS & WORKSHOPS

1. **Structural Equation Modelling for Ecologists and Evolutionary Biologists**: The course is a primer on structural equation modelling (SEM) and confirmatory path analysis, with an emphasis on practical skills and applications to real-world data, 18-22 January 2021 – PR Statistics LDT (*online*).
2. **Negotiation skills: Improving your negotiation effectiveness**: Familiarization with the main concepts of the psychology and economics of negotiations, 26 February & 4 March 2020 - Vice-Rectorate Development - University of Bern (*Switzerland*).
3. **How to become a promising grant applicant**: Briefing early-career researchers on critical career steps to take in order to become a successful future grant applicant, 15 May 2019 - Grants Office and Euresearch Regional Office - University of Bern (*Switzerland*).
4. **Data Visualization Using R and ggplot**: Focusing on R's powerful tools for data visualization, with emphasis on the ggplot2 library (and associated packages for data formatting, plyr and reshape2), 6 August 2017 - 102nd ESA Annual Meeting - Portland (*USA*).
5. **Beyond Student Feedback**: Exploring strategies for gaining insight into teaching practices and students' learning experiences that go beyond written feedback and USRIs, 31 May 2017 - Taylor Institute for Teaching and Learning - University of Calgary (*Canada*).
6. **COST ES1104 TRAINING SCHOOL**: Plants, ecology and microclimate manipulation for enhanced vegetation establishment for arid land restoration, 25 April – 1 May 2015 – Aristotle University of Thessaloniki (*Greece*).
7. **Ecological Data Analysis in R (EcoDAR)**, 1-6 July 2013 – University of the Aegean (*Greece*).

SUPERVISION & CO-SUPERVISION OF STUDENTS

2010 - present	Undergraduate theses (6), MSc theses (5)
2017 - present	Co-op students (2)

EDITOR

2020 - present	<i>Insects</i>
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REVIEWER

2012 - present	<p>Journal Publications</p> <p><i>Environmental and Experimental Botany, Science of the Total Environment, Scientific Reports, PLoS One, Plant and Soil, Journal of Environmental Management, Global Food Security, Journal of Agriculture and Food Research, Nordic Journal of Botany, Plant Physiology and Biochemistry, International Journal of Biodiversity and Conservation, Global NEST, Biodiversitas, Environmental Geochemistry and Health, Chemosphere, Insects, Plants, Diversity, Agronomy, Nitrogen, Journal of Agriculture and Food Research</i></p>
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2018 - present	<p>Project Proposals</p> <p><i>Netherlands Organization for Scientific Research (NWO)</i></p>
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LANGUAGES

English (Professional working proficiency), German (Elementary proficiency), Greek (Native proficiency)

MEMBERSHIPS

Ecological Society of America, Society for Conservation Biology, Hellenic Ecological Society, International Serpentine Ecology Society, Hellenic Evolutionary Society, Hellenic Botanical Society