

VASSILIS DETSIS
Assistant Professor, Harokopio University

Curriculum Vitae

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Education

October 1984 - July 1989	Biology studies, National and Kapodistrian University of Athens, Greece
July 1985 - September 1985	Practical training, Dept of Medicine, University of Colorado, Denver, U.S.A.
July 1989	BA in Biology, National and Kapodistrian University of Athens, Greece
March 1990 - August 1995	PhD, University of Essen, Germany, Thesis: Ecology and structure of the collembolan communities in deciduous forests of the river Nestos delta (Northeast Greece) (in german) (grade: magna cum laude).
3-13 October 1999	E.U. Advanced Study Course: «Mediterranean Ecosystems under threat: Monitoring and Protecting Strategies», Alghero, Italy.

Employment

July 1997 - June 1999	Research fellow in the Laboratory of Soils and Agricultural Chemistry, Agricultural University of Athens, Greece.
July 1999 - March 2002	Agricultural Products Certification and Supervision Organization (ΟΠΙΕΓΕΠ) of the Ministry of Agriculture.
March 2002 - July 2002	Research fellow in the Laboratory of Soils and agricultural Chemistry, Agricultural University of Athens, Greece
July 2002 - September 2010	Lecturer, Dept of Home Economics & Ecology, Harokopio University.
October 2010 - present	Assistant Professor, Dept of Home Economics & Ecology, Harokopio University.

Army service

November 1995 - June 1997

Research activities and projects

My research activities revolved around the following fields:

- Coupled socio-ecological systems. The conceptual frame of socio-ecological systems can be used to study most of the fields mentioned below. Beyond the utilization of this frame in empirical studies I am also work on the development of the conceptual frame as such.
- Mechanisms shaping the Mediterranean landscape. These mechanisms operate at various time scales; the emphasis is on mechanisms operating at short scales like human activities and ecological processes. Within this frame I study the effects of the changing human uses in shaping the landscape, secondary ecological succession as well as fire and postfire restoration operations.
- Desertification focusing on the soil-vegetation system, the mechanisms of anthropogenic interference with it (including policies) as well as the ways to operationalise the documentation of the actual conditions and the dynamics in high spatial levels.
- Agriculture and environment focusing on the comparative assessment of farming practices with respect to environmental impacts, as well as on repercussions for possible applications.
- Community Ecology of soil arthropods focusing on the understanding of the distribution of the populations in space and time and the structure of the community with respect to environmental variables as well as on the niche segregation hypothesis of sympatric species.

I participated in the following EU funded research projects

- “Mediterranean Desertification and Land Use III” (MEDALUS III, EU FP 4)
- “Tillage Erosion” (TERON, EU FP 4)
- “Policies for land use to combat desertification” (MEDACTION, EU FP 5)
- “Land and Ecosystem Degradation and Desertification. Assessing the fit of Responses” (LEDDRA, EU FP 7, <http://leddra.aegean.gr/>).

I also participated in the following projects:

- “Scientific support of the application of Codes of Good Agricultural Practice” (financed by olive-oil production cooperatives) as coordinator for biodiversity issues
- “Ariston” (Research Committee of Harokopio University)

I currently participate in:

- CYCLADES LIFE “Integrated Monk Seal Conservation in the Northern Cyclades” (LIFE Nature, the Prince Albert II of Monaco Foundation, Green Fund).

I currently coordinate

- “Equilibrium and non-equilibrium in stands of drought tolerant mediterranean conifers” (Research Committee of Harokopio University)

Scholarships

I received a scholarship from the German Academic Exchange Agency (DAAD) during my Ph.D. studies from September 1990 to July 1995.

Membership in scientific Societies

I am the Secretary of the Board of the Hellenic Ecological Society (from Fall 2016 to Fall 2018) and a member of the Hellenic Zoological Society.

Publication list (you may find links to most of the papers here)

Ph.D. thesis

1. **Detsis V.** (1995). Ökologie und Struktur der Collembolengemeinschaft der Laubwälder des Nestos-Deltas (Nordost-Griechenland). Universität Essen. [Ecology and structure of the collembolan communities in deciduous forests of the river Nestos delta (Noertheast Greece)]

Publications in peer reviewed journals

1. **Detsis, V.**, Briassoulis, H., Kosmas, C. (2017) The socio-ecological dynamics of human responses in a land degradation-affected region: The Messara Valley (Crete, Greece) *Land*, 6 (3), art. no. 45.
2. Wilson, G.A., Kelly, C.L., Briassoulis, H., Ferrara, A., Quaranta, G., Salvia, R., **Detsis, V.**, Curfs, M., Cerda, A., El-Aich, A., Liu, H., Kosmas, C., Alados, C.L., Imeson, A., Landgrebe-Trinkunaite, R., Salvati, L., Naumann, S., Danwen, H., Iosifides, T., Kizos, T., Mancino, G., Nolè, A., Jiang, M., Zhang, P. (2017) Social Memory and the Resilience of Communities Affected by Land Degradation *Land Degradation and Development*, 28 (2), pp. 383-400.
3. Kosmas, C., Karamesouti, M., Kounalaki, K., **Detsis, V.**, Vassiliou, P., Salvati, L. (2016) Land degradation and long-term changes in agro-pastoral systems: An empirical analysis of ecological resilience in Asteroussia - Crete (Greece) *Catena*, 147, pp. 196-204.
4. **Detsis, V.**, Efthimiou, G., Theodoropoulou, O., Siorokou, S. (2016) Reforestation with *Abies cephalonica* Loudon: a five-year study of seedling survival *Management of Environmental Quality: An International Journal*, 27 (2), pp. 136-145.
5. Abeliotis, K., Barla, S.-A., **Detsis, V.**, Malindretos, G. (2016) Life cycle assessment of carnation production in Greece *Journal of Cleaner Production*, 112, pp. 32-38.
6. Perdikaris, C., Koutsikos, N., Vardakas, L., Kommatas, D., Simonović, P., Paschos, I., **Detsis, V.**, Vilizzi, L., Copp, G.H. (2016) Risk screening of non-native, translocated and traded aquarium freshwater fishes in Greece using Fish Invasiveness Screening Kit, *Fisheries Management and Ecology*, 23 (1), pp. 32-43.
7. Karamesouti, M., **Detsis, V.**, Kounalaki, A., Vasiliou, P., Salvati, L., Kosmas, C. (2015) Land-use and land degradation processes affecting soil resources: Evidence from a traditional Mediterranean cropland (Greece) *Catena*, 132, pp. 45-55.
8. Kizos, T., **Detsis, V.**, Iosifides, T., Metaxakis, M. (2014) Social capital and social-ecological resilience in the Asteroussia Mountains, Southern Crete, Greece *Ecology and Society*, 19 (1).
9. Abeliotis, K., **Detsis, V.**, Pappia, C. (2013) Life cycle assessment of bean production in the Prespa National Park, Greece *Journal of Cleaner Production*, 41, pp. 89-96.
10. **Detsis V.**, Ntasiopoulou G., Chalkias C., Efthimiou G.S. (2010). Recent insular Mediterranean landscape evolution: A case study on Syros, Greece. *Landscape Research* 35:361-381.
11. **Detsis V.** (2010). Placing land degradation and biological diversity decline in a unified framework: methodological and conceptual issues in the case of the north Mediterranean region. *Land Degradation and Development* 21(5): 413-422.

12. Nikolaidou M., Sofianopoulou C., Alexopoulou N., Ambeliotis K., **Detsis V.**, Chalkias C., Lasaridi K., Anagnostopoulos D. (2010). The Blended Learning Ecosystem of an Academic Institution in Greece. *International Journal of Web-based Learning and Teaching Technologies* 5(3): 14-35.
13. **Detsis V.** (2009). Relationships of some environmental variables to the aggregation patterns of soil microarthropod populations in forests. *European Journal of Soil Biology* 45: 409-416.
14. Kosmas C., Gerontidis St., Marathanou M., **Detsis V.**, Zafiriou Th., Nan Muysen W., Govers G., Quine T., Vanoost K. (2001). The effects of tillage displaced soil on soil properties and wheat biomass. *Soil & Tillage Research* 58: 31-44.
15. Gerontidis St., Kosmas C., **Detsis V.**, Marathanou M., Zafiriou T. & Tsara M. (2001). The effect of moldboard plow on tillage erosion along a hillslope. *Journal of Soil and Water Conservation* 56: 147-152.
16. Kosmas C., Marathanou M., Gerontidis St., **Detsis V.**, Tsara M. & Poesen J. (2001). Parameters affecting water vapor adsorption by the soil under semi-arid climatic conditions. *Agricultural Water Management* 48: 61-78.
17. **Detsis V.** (2000). Vertical distribution of Collembola under mediterranean climatic conditions. *Belgian Journal of Zoology* 130 (supplement): 57-61.
18. Marathanou M., Kosmas C., Gerontidis St. & **Detsis V.** (2000). Land use evolution and degradation in Lesvos (Greece): A historical approach. *Land Degradation and Development* 11: 63-73.
19. **Detsis V.**, Diamantopoulos J. & Kosmas C. (2000). Collembolan assemblages in Lesvos, Greece. Effects of differences in vegetation and precipitation. *Acta Oecologica* 21: 1-11.
20. Sakelaridis N., Mangoura D., Masserano J.M., **Detsis V.**, Leoni C.J., Dietrich R. & Vernadakis A. (1989). Development profile of glutamine synthetase in lines of mice bred for ethanol sensitivity. *Journal of Neuroscience Research* 24: 391-397.

Monographs

1. Szijj J., **Detsis V.**, Wüst P. & Wagner H.J. (1997). Das Nestosdelta. Forschungen zur Ökologie und naturschutzrischen Wertanalyse. Berichte aus dem Arbeitsgebiet Entwicklungsforschung, Heft 26, Geographisches Institut der Universität Münster, 145 pages [The Nestos delta. Studies of its ecology and nature protection analysis.].

Chapters in edited books

1. **Detsis V.**, Chalkias C Analysis of land cover change in Cyclades (2014): methodological approach and considerations. In: Karymbalis E, Papadopoulos A, Chalkias C (eds) *The geography of coastal and insular areas*. Stamoulis Publishers, Athens pp. 41-64. [In greek]
2. Efthimiou G, **Detsis V** (2012). Riparian forest of Keramoti (Kavala): ecological similarities and differences with the riverbank forest of the Nestos river. In: Theodoropoulou E, Hondroyiannis G, Mitoula R, Abeliotis K (eds) *Volume in memory of A. Tsitouras*. Harokopio University, Dept. of Home Economics and Ecology, Athens, pp. 125-137. [In greek]
3. **Detsis V.** (2005). Biodiversity policies in the European Union: Achieving synergies with other policies? In: Briassoulis H. (ed.) *Policy integration for complex environmental problems. The example of Mediterranean Desertification*. Ashgate, Aldershot, pp. 233-267.
4. Kosmas C., Gerontidis St., **Detsis V.**, Zafiriou Th. & Marathanou M. (1999). Application of the proposed methodology for defining Environmentally Sensitive Areas. 1. The Lesvos island (Greece). In: Kosmas C., Kirkby M. & Imeson A. (eds.) *The MEDALUS project*,

Mediterranean Desertification and Land Use, Manual on key indicators of desertification and mapping environmentally sensitive areas to desertification. EU Directorate-General, Science, Research and Development.

Publications in peer-reviewed conference proceedings

1. Papadopoulos AG, Chalkias C, **Detsis V**, Fratsea LM, Karymbalis E., Mavrommatis G (2017) Local stakeholder participation in Gyaros Marine Protected Area, Greece, Thirteenth International MEDCOAST Congress on Coastal and Marine Science, Engineering, Management and Conservation, At Melleiha, Malta, Volume: 1, 94-104.
2. Gourdomichalis P., Efthimiou G. and **Detsis V.** (2016). Survey of the evolution of Human impact on the natural environment and landscape of a Protected Area. The case of Southern Mani (GR2540008), Greece. Journal of International Scientific Publications Ecology and Safety, ISSN: 1314-7234, Vol. 10: 273-282.
3. Siorokou S., **Detsis V.** and Efthimiou G. (2015). A preliminary assessment of the use of black pine in the reforestation of Mt. Parnitha National Park. Journal of International Scientific Publications Ecology and Safety, ISSN: 1314-7234, Vol. 9: 171-176.
4. Kastanidi E, Papadopoulos AG, **Detsis V** (2015) The structure of rural Greece through a prism of social – ecological interactions, 10th International Congress of Hellenic Geographical Society, Thessaloniki
5. Ευθυμίου Γ., Κοτούμπας Η., **Λέτσης Β.** (2014). Η λυγερότητα του *Fraxinus angustifolia* Vahl. στο Βιογενετικό Απόθεμα δάσος Φράξου Λεσινίου. Στο (Α. Παπαγεωργίου, Α. Κυριαζόπουλος και Γ. Κοράκης επιμέλεια) Περιοδική έκδοση του Τμήματος Δασολογίας και Διαχείρισης Περιβάλλοντος και Φυσικών Πόρων του Δημοκρίτιου Πανεπιστημίου Θράκης, ISSN:1791-7824, Vol. 6: 113-125.
6. Koutsomitrou D., **Detsis V.**, Efthimiou G., Economou-Amilli A. (2014). Water quality and condition of riverbanks of Kifisosriver, Attica, Greece. Journal of International Research Publications: Ecology and Safety, Vol. 8: 249-258. ISSN: 1313-7234 (Online).
7. Efthimiou G., **Detsis V.** and Theodoropoulou O. (2014). *Post fire forest restoration in a National Park: the Parnitha case, Greece*. CD-ROM Proceedings of the 12th International Conference on Protection and Restoration of the Environment (Pre12), Stevens Institute of Technology, USA and University of Thessaly, Greece, June 29 to July 03, 2014, Skiathosisland, Greece. ISBN: 978-960-88490-6-8, pp: 408-413.
8. Koutsomitrou D., Efthimiou G., **Detsis V.** and Economou-Amilli A. (2014). *Ecological assessment of Kifisos river channel and the riparian forest vegetation*. In Proceedings of 2nd International Conference “Water resources and wetlands”, 11-13 September 2014, Tulcea-Romania, ISSN: 2285-7923, pp: 87-93.
9. Katsibiri P, Efthimiou G., **Detsis V.**, Skordilis A. (2012). Assessment of the development outlook of the mountain communities of the protected Ossa forest. Proceedings of the 1st Thessaly Congress on the Environment, Skiathos, 8-10 September 2012, pp. 558-566. [in greek]
10. Chalkias C., Papadopoulos A., Ouilis, A., Karymbalis E., **Detsis V.** (2011). Land cover changes in the coastal peri-urban zone of Corinth, Greece. Proceedings of the 10th International Conference on the Mediterranean Coastal Environment, MEDCOAST 11, Rhodes, Greece, 25-29 October 2011.
11. Katsibiri P, Efthimiou G., **Detsis V.**, Skordilis A. (2011). Management of mountainous areas of the Natura 2000 network. The Kissavos (Ossa) case. Proceedings of the 15th Hellenic Congress on Forestry, 16-19 October 2011. [in greek]
12. Nikolaidou M., Sofianopoulou Cr., Alexopoulou N., Abeliotis K., **Detsis V.**, Chalkias Ch., Lazaridi K., Anagnostopoulos D. (2010). Exploring a blended learning ecosystem in the

academic environment. IADIS International Conference Cognition and Exploratory Learning in Digital Age (CELDA 2009), Rome, Italy, 20 - 22 November 2009.

13. Emmanouilakis E., **Detsis V.**, Vamvakari M., Abeliotis K. (2010). Differences in wildfire pattern between Attiki and Evia. Proceedings of the 8th Hellenic Geography Congress, 4-7 October 2007, Athens, pp. 395-403. [in greek]
14. Papakosta A, Abeliotis K., **Detsis V.**, Vamvakari M. (2009). Comparative study of the perceptions of the residents of three Thessaly cities on drinking water. Proceedings of the joint Congresses: 11th of the Hellenic Hydrotechnic Association and 7th of the Hellenic Commission of Water Resources Management, Volos 27-30 May 2009.
15. Theodoropoulou O., Zachos F., Douvalis S., Kalogeropoulos A., Pappia C., Reppa E., **Detsis V.** and Abeliotis K. (2009). Natural or artificial Christmas tree: a case study from Greece. Proceedings of the Second International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 09) & SECOTOX Conference, Mykonos island, Greece, June 21 to 26, 2009, pp. 373-378.
16. Masoura D., Kapiris K., **Detsis V.** (2009). Morphometric studies of the Amvrakikos population of the shrimp *Melicertus kerathurus*. 9th Hellenic Symposium of Oceanography & Fisheries, Patras, 13-16 May 2009, pp. 862-867. [in greek]
17. Abeliotis K. Makrinika K., **Detsis V.** and Lasaridi K. (2009). Life cycle assessment of *Cynara cardunculus* L. oilseed production. Proceedings of the 11th International Conference on Environmental Science and Technology, Chania, Crete 3-5 September 2009, A1-A6.
18. **Detsis V.** & Briassoulis H. (2004). Conserving biodiversity and combating desertification: achieving synergies. In: Arianoutsou M. & Papanastasis V.P. (eds.) Ecology, Conservation and Management of Mediterranean Climate Ecosystems, Proceedings of the 10th International Conference on Mediterranean Climate Ecosystems, April 25-May 1, 2004, Rhodes, Greece, Millpress, Rotterdam.
19. Liakou E., Gousia-Rizou M., **Detsis V.**, Abeliotis K. (2004). Environmental education from the perspective of teachers and pupils in primary schools of the Korinthia prefecture. Proceedings of the 2nd Congress of the Hellenic Teachers Association of Environmental Education, 15-17 October, Halkidiki. [in greek]
20. Lountzi M., Gousia-Rizou M., **Detsis V.**, Abeliotis K. (2004). Evaluation of Environmental Education Programs in secondary schools of the Korinthia prefecture. Proceedings of the 2nd Congress of the Hellenic Teachers Association of Environmental Education, 15-17 October, Halkidiki. [in greek]
21. **Detsis V.** (1994). Notes on the ecology of some Isotomidae species (Insecta, Collembola) of the Nestos Delta. Proceedings of the 6th International Congress on the Zoogeography and Ecology of Greece and Adjacent Regions. Bios, Thessaloniki, 2: 225-232.