
Panteleimon Xofis

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Summary

A forest ecologist with expertise in Remote Sensing, fire ecology, landscape ecology, landscape spatial analysis, GIS and ecological statistics.

Academic Qualifications

- **FIRST DEGREE, BSc**
Forestry
Technological Education Institute of Larisa, Greece.
Acquisition Date: 11/1997
- **MASTER OF SCIENCE, MSc.**
MSc in Landscape Ecology, Design and Management
Imperial College London, University of London
Acquisition Date: 11/2000
- **DOCTOR OF PHILOSOPHY, PhD**
Title: Post-fire vegetation dynamics and ecosystem recovery in north-east Mediterranean ecosystems.
Imperial College London, University of London
Acquisition Date: 05/2006

2001-2006 *PhD. Post-fire vegetation dynamics and ecosystem recovery in north-east Mediterranean ecosystems.*

Imperial College London, Faculty of Natural Sciences.

- This part-time PhD project, in the subject of fire ecology in Mediterranean Landscapes, was fully funded by the State Scholarship Foundation of Greece.

1999-2000 *MSc. Landscape Ecology, Design and Management.*

Imperial College London, Faculty of Natural Sciences.

- Twelve months full-time, taught course with special focus on the principles and application of Landscape Ecology, Landscape Restoration, Ecology and Management of Habitats for Nature Conservation.

1993-1997 *BSc. Forestry*

Technological Education Institute of Larissa. Department of Forestry.

- Four years degree on the ecology of forest ecosystems and the sustainable utilization of forest resources. Degree grade: 7.31/10. Degree classification: "Very Good"
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Professional Experience

04/2002-11/2002 *Imperial College London, Wye Campus.*

Department of Information and Communication Technologies.

- Part-time Help Desk Advisor to students and staff on the use of IT services as well as advice on the use of specific statistical packages including SPSS and Minitab.

12/2002- 3/2004 *Imperial College London , Wye Campus*

Faculty of Natural Sciences

- Research Officer in Advanced Classification and indicator development, in the SPatial Indicators for Nature conservation(SPIN) project, funded under the European Commission's 5th Framework Programme.

4/2004-1/2006 *Imperial College London , Wye Campus*

Faculty of Natural Sciences

- Research Officer and member of the Coordination Team in *BioScene*, a European funded project under the 5th framework Programme.

02/2006 - 6/2006 *Countryside Council for Wales (CCW)*

- This was a short project funded by CCW aiming to develop an object-oriented classification scheme for the landcover mapping of Wales.

1/2007-5/2007 National Observatory of Athens.

Institute of Space Applications and Remote Sensing..

- Scientific expert in the project *MedWet/CODDE*. This was an international project with six participants from five European Countries coordinated by the Greek Biotope Wetland Centre.

1/2014-12/2014 Eastern Macedonia and Thrace Institute of Technology

Department of Forestry and Management of Natural Environment.

- Scientific expert in the project *Management and developed of rangelands in the municipality of Drama.*

4/2014-6/2016 Eastern Macedonia and Thrace Institute of Technology

Department of Forestry and Management of Natural Environment.

- Scientific expert in the Life+ Nature project “JunEx” - Restoration and Conservation of Greek Juniper Forests habitat in Prespa National Park

06/2006 – 10/2017 Hellenic Forest Service, Forest Directorate of Drama

Head of Forest Mapping Department of the Forest Directorate of Drama.

11/2017-3/2019 Forest Research Institute, Thessaloniki

Researcher in Forest Research Institute of Thessaloniki in the subject of fire ecology.

4/2019-Present International Hellenic University, Department of Forestry and Natural Environment, Drama

Assistant professor in Ecology and Environmental Remote Sensing

TEACHING EXPERIENCE

12/2004-6/2006 Hadlow College, University of Greenwich

- Seasonal Lecturer in GIS for Landscape Planning.
- Introductory course in GIS for 3rd year Landscape Management students,
- The course is completed in 36 hours and it covers an introduction to raster and vector data handling, data visualisation, data generation and spatial analysis.
- In the 2006 year’s assessment by the Landscape Institute the course received remarkable comments based on the quality of the assignment required for the completion of the course.

10/2009-3/2019 Eastern Macedonia and Thrace Institute of Technology –Landscape Architecture (BSc) , Forestry and Management of Natural Environment (BSc)

- Adjunct Assistant professor in Landscape Management, Landscape Restoration Landscape and Wildfire Management.
- More than 600 hours of autonomous teaching and assessment of the above subjects.

10/2015-6/2018 Eastern Macedonia and Thrace Institute of Technology – Design and Management of Urban Green Spaces (MSc) , Department of Forestry and Management of Natural Environment

- In this MSc course I taught the following subjects:
 - Identification and valuation of Urban Green Spaces Ecosystem Services
 - Introduction to Statistics
 - Advanced use of GIS
 - Introduction to Remote Sensing
- I currently supervise seven MSc Dissertations

10/2015-6/2018 International Hellenic University, Department of Forestry and Natural Environment, Drama

Autonomous teaching of the following courses:

- Forest Ecology
- Applied Silviculture
- Environmental Remote Sensing
- Geographic Information Systems

- Landscape Ecology, Management and Restoration

ADDITIONAL SKILLS

Statistics	During the last 16 years where I am involved in ecological research I have developed a good experience in using several statistical techniques for ecological data analysis. Among those are Multivariate Classification and Ordination Techniques, Classification and Regression Trees and several other techniques used in ecological modelling.
Computing	Microsoft Word, Excel, PowerPoint; Access, statistical packages: CANOCO, Vespan, STATISTICA, Minitab, SPSS; Remote Sensing-GIS: ArcView GIS, ArcGIS, Ecognition, ERDAS Imagine.
Languages	Greek (mother tongue) English (fluent).

PUBLICATIONS IN PEER REVIEWED JOURNALS

	ISI Web of Science	Scopus	Google Scholar
Citations	608	647	1006
h-index	14	15	16

- Xofis, P., Spiliotis, A. J., Chatzigiovanakis, S., Chrysomalidou, S.A. (2022). Long-Term Monitoring of Vegetation Dynamics in the Rhodopi Mountain Range National Park-Greece. *Forests*, 13, 377
- Lines, R., Bormpoudakis, D., Xofis, P., McMillan, D.C. Tzanopoulos, J. (2022). Utility of human footprint pressure mapping for large carnivore conservation: The Kafue-zambezi interface. *Sustainability* 2022, 14, 116. <https://doi.org/10.3390/su14010116>
- Xofis, P. Buckley, P.G. Takos, I. Mitchley, J. (2021). Long Term Post-Fire Vegetation Dynamics in North-East Mediterranean Ecosystems. The Case of Mount Athos Greece. *Fire*, 4, 92. <https://doi.org/10.3390/fire4040092>
- Lines, R., Bormpoudakis, D., Xofis, P., Tzanopoulos, J. (2021). Modelling Multi-Species Connectivity at the Kafue-Zambezi Interface: Implications for Transboundary Carnivore Conservation. *Sustainability*, 13, 12886. <https://doi.org/10.3390/su132212886>
- Xofis P, Kontantinidis P., Papadopoulos, I. Tsiourlis, G. (2020). Integrating Remote Sensing Methods and Fire Simulation Models to Estimate Fire Hazard in a South-East Mediterranean Protected Area. *Fire*, 3, 31, doi:10.3390/fire3030031
- Kefalas, G., Poirazidis, K., Xofis, P., Kalogirou, S., Chalkias, C. (2020). Landscape dynamics on insular environments of South-east mediterranean Europe, Geocarto International, DOI: 10.1080/10106049.2020.1790677
- Xofis P, Tsiourlis, G. Kontantinidis P. (2020) A Fire Danger Index for the early detection of areas vulnerable to wildfires in the Eastern Mediterranean region. *Euro-Mediterranean Journal for Environmental Integration*, 5:32, <https://doi.org/10.1007/s41207-020-00173-z>.
- Boron, V., Deere, N. J. Xofis, P., et al. (2019) Richness, diversity, and factors influencing occupancy of mammal communities across human-modified landscapes in Colombia. *Biological Conservation*, 232, 108-116
- Poirazidis, K., Bontzorlos, V., Xofis, P. et al. (2019) Bioclimatic and environmental suitability models for capercaillie (*Tetrao urogallus*) conservation: Identification of optimal and marginal areas in Rodopi Mountain-Range National Park (Northern Greece). *Global Ecology and Conservation*, 17,e00526.
- Kontsiotis, V., Xofis, P, Liordos, V & Bakaloudis, D., (2019) Effects of environmental and intrinsic factors on the reproduction of insular European wild rabbits (*Oryctolagus cuniculus cuniculus*). *Mammalia*, 83, 134-143
- Kefalas, G., Poirazidis, K., Xofis, P., Kalogirou, S. (2018) Mapping and understanding the dynamics of landscape changes on heterogeneous mediterranean Islands with the use of OBIA: The case of Ionian Region, Greece. *Sustainability*, 10, 2986
- Boron, V., Xofis, P., Link, A., Payan, E. & Tzanopoulos, J. (2018) Conserving predators across agricultural landscapes in Colombia: habitat use and space partitioning by jaguars, pumas, ocelots and jaguarundis. *Oryx*, 1-10.

13. Xofis, P., Poirazidis, K. (2018). Combining different spatio-temporal resolution images to depict landscape dynamics and guide wildlife management. *Biological Conservation*, 218, 10-17.
14. Kefalas, G., Lattas, P., Xofis, P., Lorrilla, R. S., Martinis, A., Poirazidis, K. (2018) The use of vegetation indices and change detection techniques as a tool for monitoring ecosystem and biodiversity integrity. *Int. J. Sustainable Agricultural Management and Informatics*, 4, 47-67.
15. Abram, N.K., MacMillan, D.C., Xofis, P., et al. (2016) Identifying where REDD+ financially out-competes oil palm in floodplain landscapes using a fine-scale approach *PLOS ONE*, 11(6): e0156481. doi:10.1371/journal.pone.0156481,
16. Tsiourlis, G., Konstantinidis, P., Xofis, P (2016) Syntaxonomy and synecology of *Juniperus phoenicea* L. Shrublands in Greece. *Journal of Environmental Protection and Ecology*, 17, 182-190,
17. Kontsiotis, V., Bakaloudis, D., Merou, T. • Xofis, (2015) Trophic ecology of the European wild rabbit *Oryctolagus cuniculus* on the Mediterranean island of Lemnos, Greece. *Ecological Research*, 30, 683-691. DOI: 10.1007/s11284-015-1269-z,
18. Abram, N., Xofis, P. Tzanopoulos, J., MacMillan, D.C., Ancrenaz, M., Chung, R. Y., Peter, L., Ong, R.C., Lackman, I., Goossens, B Ambu, L. & Knight, A.T. (2014). Synergies for Improving Oil Palm Production and Forest Conservation in Floodplain Landscapes. *PLOS ONE*, 9, 6, e95388, 1-12,
19. Kontsiotis, V., Bakaloudis, D., Tsiompanoudis, A. • Xofis, (2014) Body condition variation of wild rabbit population in the north-east Mediterranean island of Lemnos – Greece. *Folia Zoologica*, 63, 87-94,
20. Kontoes, C., Keramitsoglou, I., Sifakis, N., Papoutsis, I., Xofis, P. (2013). National Scale Operational Mapping of Burnt Areas as a Tool for the Better Understanding of Contemporary Wildfire Patterns and Regimes. *Sensors*. 13, 11146-11166. DOI: 10.3390/s130811146.
21. Kontsiotis, V., Bakaloudis, D., • Xofis, P., Konstantaras, N., • Petrakis, N., • Tsiompanoudis, A. (2013). Modelling the distribution of wild rabbits (*Oryctolagus cuniculus*) on a Mediterranean island. *Ecological Research*, 28, 317-325. DOI: 10.1007/s11284-012-1018-5
22. Merou, T., Takos, I., Varsamis, G. & Xofis P. (2012). Effect of stratification and scarification treatments on the germination of oriental hornbeam (*Carpinus orientalis*) seeds *Seed Science & Technology*, 40, 265-270
23. Konstantinidis, P., Tsiourlis, G. & Xofis P. (2012). Syntaxonomy and synecology of thermophilous Mediterranean pines *Pinus halepensis* Mill. And *P. brutia* Ten. In Greece. *Journal of Environmental Protection and Ecology*, 13, 1423-1431.
24. Tsiourlis, G; Konstantinidis, P; Xofis, P (2012). An Ecological Assessment Method: Application to the Vegetation Units of the Lagadas County (Greece). *Journal of Environmental Protection and Ecology*. 13,1560-1569.
25. Tsiourlis, G; Konstantinidis, P; Xofis, P (2009). Syntaxonomy and Synecology of *Quercus coccifera* Mediterranean Shrublands in Greece *Journal of Plant Biology*, 52, 433-447.
26. Keramitsoglou, I., Kontoes, C., Sykioti, O., Sifakis, N., & Xofis, P. (2008). Reliable, accurate and timely forest mapping for wildfire management using ASTER and Hyperion satellite imagery. *Forest Ecology and Management*, 255, 3556-3562.
27. Tsiourlis, G., Konstantinidis, P., & Xofis, P. (2008). Taxonomy and ecology of phryganic communities with *Sarcopoterium spinosum* (L.) Spach of the Aegean (Greece). *Israel Journal of Plant Science*, 55, 15-34.
28. Konstantinidis, P., Tsiourlis, G. & Xofis P. (2008). Taxonomy and ecology of *Castanea sativa* Mill. forests in Greece. *Plant Ecology*, 195, 235-256.
29. Jiao, J., Tzanopoulos, J., Xofis, P., & Mitchley, J. (2008). Factors Affecting the Distribution of Vegetation Types on Abandoned Cropland in the Hilly-gullied Loess Plateau Region of China. *Pedosphere*, 18, 24-33.
30. Grigoriadis, N., Spyroglou, G., Xofis, P., Meliadis, I. (2008), Understanding of flora and habitat distribution pattern at Agras protected wetland, Greece. *Journal of Balkan Ecology*, 11, 117-135.
31. Jiao, J., Tzanopoulos, J., Xofis, P., Bai, W., Ma, X. & Mitchley, J. (2007) Can the study of natural vegetation succession assist in the control of soil erosion on abandoned croplands on the Loess Plateau, China?. *Restoration Ecology*, 15, 391-399.
32. Konstantinidis, P., Tsiourlis, G. & Xofis P. (2006) Effect of fire season, aspect and pre-fire plant size on the growth of *Arbutus unedo* L. (strawberry tree) resprouts. *Forest Ecology and Management*, 225, 359-367.

33. Mitchley, J. & Xofis P. (2005) Landscape structure and management regime as indicators of calcareous grassland habitat condition and species diversity. *Journal for Nature Conservation*, 13, 171-183.
34. Bock, M., Xofis, P., Mitchley, J., Rossner, G., & Wissen, M. (2005) Object-oriented methods for habitat mapping at multiple scales- Case studies from Northern Germany and Wye Downs, UK. *Journal for Nature Conservation*, 13, 75-89.
35. Mander, U., Mitchley, J., Xofis, P., Keramitsoglou, I., & Bock, M. (2005) Editorial: Earth observation methods for habitat mapping and spatial indicators for nature conservation in Europe. *Journal for Nature Conservation*, 13, 69-73.
36. Keramitsoglou, I., Kontoes, C., Sifakis, N., Mitchley, J. & Xofis, P. (2005) Kernel based re-classification of Earth observation data for fine scale habitat mapping. *Journal for Nature Conservation*, 13, 91-99.
37. Jacquin, A., Cheret, V., Denux, J., Gay, M., Mitchley, J., & Xofis, P. (2005) Habitat suitability modelling of Capercaillie (*Tetrao urogallus*) using Earth observation data. *Journal for Nature Conservation*, 13, 161-169.

CONFERENCE PRESENTATIONS AND OTHER PUBLICATIONS

- Ποϊραζίδης Κ., Ξόφης Π., Σκαρτσή Θ., Kret E, Καφετζής Α. (2015) “Καταγραφή, χαρτογραφική αποτύπωση και αξιολόγηση της μεταβολής των καλύψεων γης στο Εθνικό Πάρκο Δαδιά - Λευκίμης - Σουφλίου για την περίοδο 2001 – 2011. 80 Πανελλήνιο Συνέδριο Οικολογίας. Θεσσαλονίκη. Σελ 251
- Ποϊραζίδης Κ., Ξόφης Π., Σκαρτσή Θ., Kret E, Καφετζής Α. (2015) “Καταγραφή, χαρτογραφική αποτύπωση και αξιολόγηση της μεταβολής των καλύψεων γης στο ΕΠ ΔΛΣ, για την περίοδο 1975-2015”. Συνέδριο για τη «Βιοποικιλότητα στο Εθνικό Πάρκο Δάσους Δαδιάς - Λευκίμης - Σουφλίου: Μαθήματα Διατήρησης για Προστατευόμενες Περιοχές», Δαδιά 14-15 Νοεμβρίου. Σελ 76-80.
- Κοντσιώτης Β., Βλάχος Χ., Ξόφης Π., Μπακαλούδης Δ (2015) “Η επίδραση των υλοτομιών στις κοινότητες των μικρών θηλαστικών στο Εθνικό Πάρκο Δάσους Δαδιάς-Λευκίμης-Σουφλίου” . Συνέδριο για τη «Βιοποικιλότητα στο Εθνικό Πάρκο Δάσους Δαδιάς - Λευκίμης - Σουφλίου: Μαθήματα Διατήρησης για Προστατευόμενες Περιοχές», Δαδιά 14-15 Νοεμβρίου. Σελ 55-61.
- Xofis, P., Fountopoulou, D., Poirazidis, K., (2014) “Integrating high and very high resolution images for mapping a diverse forested landscape”. Proceedings of the 5th International Conference on Geographic Object-Based Image Analysis - GEOBIA, Thessaloniki, May 21-24, 2014, South-Eastern European Journal of Earth Observation and Geomatics, 3, 2S, 747-751.
- Fountopoulou, D., Xofis, P. , (2014). “Long term monitoring of urban green spaces in major European cities”. Proceedings of the 5th International Conference on Geographic Object-Based Image Analysis - GEOBIA, Thessaloniki, May 21-24, 2014, South Eastern European Journal of Earth Observation and Geomatics, 3, 2S, 683-686.
- Merou, T., Xofis, P., Katsinikas, K., (2013). “Species responses to different disturbance regimes and their short-term cessation in Mediterranean semi-arid grasslands”. Proceedings of the 17th Symposium of the European Grassland Federation, Akureyri, Iceland, 23-26 June 2013, 484-486
- Kontoes C., Keramitsoglou, I. **Xofis, P.** et. al. Operational Wildfire Monitoring and Disaster Management Support Using State of the art EO and Information Technologies. 2012 Second International Workshop on Earth Observation and Remote Sensing Applications. EORSA. Shanghai, China.
- Tzanopoulos, J., Xofis, P and Mitchley J (2006). Conservation of mountain biodiversity in Europe: what futures? In Price, M. F. (Editor). Global change in Mountain Regions. pp 13-14. Sapiens Publishing.
- Xofis, P. & Mitchley, J. SPatial Indicators for Nature Conservation (SPIN) Presentation of the SPIN project to a team of experts in DEFRA. October 2003.
- Tzanopoulos, J., Mitchley J. and Xofis, P. Conservation of biodiversity in mountain areas: what futures? Bioscene International Conference, Ioannina, 21-24 September 2005
- Mitchley, J., Xofis, P. *Vegetation classification using high resolution images*. British Ecological Society Annual Meeting, Manchester, 9-11 September 2003

REVIEWER AND EDITOR IN SCIENTIFIC JOURNALS

- Journal for Nature Conservation, Elsevier (Guest Editor, Reviewer)
- Forest Ecology and Management, Elsevier, impact factor 2.667
- Remote Sensing, Open Access Journal by MDPI, impact factor 2.623
- International Journal of Earth Observation & Geoinformation, Elsevier, impact factor 2.539
- Journal of Nature Conservation, Elsevier, impact factor 1.833

- International Journal of Remote Sensing, impact factor 1.652
- Environmental Modelling and Software, impact factor 4.420
- Remote Sensing
- Sustainability
- Waters
- Applied Sciences
- Fire (Editor, Reviewer)

PERSONAL DETAILS

- **Date of Birth:** 27/07/1973
- **Nationality:** Greek
- **Marital Status:** Married
- **Number of kids:** Boy (Age 15), Girl (Age 14)