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1. ACADEMIC POSITION

Assistant Professor

Department of Environmental Sciences, University of Thessaly, Greece
Field: **Environmental Risk Management and Spatial Planning**
[17/09/2026 – Present]

2. EDUCATION AND TRAINING

Marie Sklodowska-Curie Postdoctoral Fellow – Principal Investigator

Department of Civil and Environmental Engineering, Brunel University of London, UK [16/09/2024 – 15/09/2026]

Research title: **"FIREWISE: Proactive wildfire resilience assessment and management": FIREWISE (HORIZON-MSCA-2023-PF-01-01 — MSCA Postdoctoral Fellowships)**

Post-doctoral research – Scholar postdoctoral researcher

Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Greece [01/12/2017 – 30/11/2020]
Research title "**Application of exposure and effect analysis of natural disasters under an integrated risk assessment framework. The case of forest fires**"

Ph.D in Natural hazards prevention and management *Department of Planning and Regional Development, University of Thessaly, Greece* [01/09/2012 – 27/07/2016]

Ph.D title: **Design and development of a Spatial Decision Support System (SDSS) for prevention and management of natural disasters. The case of forest fires in Thasos.**

Research in the context of Ph.D.

University of Alberta, Department of Renewable Resources (Western Partnership for Wildland Fire Science [15/05/2014 – 23/11/2014]: Supervisor: Professor **Mike Flannigan,** Director of the Western Partnership for Wildland Fire Science
Wildfires simulation modeling and management

Master of Science in Geospatial Technologies (Erasmus Mundus - Joint degree)

Universidade Nova de Lisboa (UNL), NOVA – Information Management School (NOVA IMS), Lisboa, Portugal; Westfälische Wilhelms-Universität Münster (WWU), Institute for Geoinformatics (ifgi), Münster, Germany; Universitat Jaume I (UJI), Castellón, Dept. Lenguajes y Sistemas Informaticos (LSI), Castellón, Spain.

[01/09/2016 – 27/02/2018]: Application of geospatial technologies to analyze and deal with problems of spatial nature.
Grade: 16/20

Master of Science in Spatial Planning & Development - Spatial Planning & Regional Policy

Department of Planning and Regional Development, University of Thessaly, Greece [01/09/2008 – 20/07/2010]
Grade: 8,94 / 10

Bachelor of Science in Engineering of Planning and Regional Development (Integrated Master of Science: 3 + 2 academic years)

Department of Planning and Regional Development, University of Thessaly, Greece [01/09/2002 – 07/04/2008]
Grade: 7,89 / 10

3. POSTDOCTORAL RESEARCH

Total duration of postdoctoral research: ~98 months without overlapping and **~144** months with overlapping with different research programs

- [16/09/2024 – 15/09/2026]: Postdoctoral fellow in the project "**FIREWISE: Proactive wildfire resilience assessment and management**". United Kingdom Research and Innovation (UKRI)– Brunel University, UK. [06/2025]: **Research Secondment: Joint Research Centre (JRC), European Commission – Ispra, Italy.** Short-term secondment within the framework of the **FIREWISE – HORIZON-MSCA** project, aiming to collaborate with researchers from the **European Forest Fire Information System (EFFIS)** and **Built Environment** units. The secondment focused on linking wildfire modelling outputs with infrastructure resilience strategies and **fire-adaptive spatial planning**.
- [12/04/2023 – 20/06/2024]: Postdoctoral researcher / Research associate in the project "**Regions to boost National Maritime Spatial Planning – REGINA MSP (European Maritime, Fisheries, and Aquaculture Fund)**". Research Committee – Aristotle University of Thessaloniki, Greece.
- [07/02/2023 – 06/02/2024]: Postdoctoral researcher / Research associate in the project " **Innovative technologies & socio-ecological-economic solutions for fire resilient territories in Europe – FIRE-RES (HORIZON 2020)**". Research Committee –University of the Aegean, Greece.
- [27/05/2021 – 07/05/2022]: Postdoctoral researcher / Research associate in the project "**EXTREMES: Operational Early Warning System of Environmental Hazards in Vulnerable Greek Agriculture (Greek General Secretariat for Research and Innovation)**". Research Committee - University of Thessaly, Greece.
- [06/04/2021 – 31/12/2021 και 26/01/2022 – 31/12/2022 και 15/03/2023 – 31/05/2023 και 06/03/2024 – 30/04/2024 και 30/08/2024 – 30/09/2024]: Postdoctoral researcher / Research associate in the project " **Open Innovation Hub for Irrigation Systems in Mediterranean agriculture** ". Research Committee - University of Thessaly, Greece.
- [01/12/2017 – 30/11/2020]: Postdoctoral fellow in the project "**Application of exposure and effect analysis of natural disasters under an integrated risk assessment framework. The case of forest fires.**". Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Greece.
- [14/04/2020 – 30/11/2020]: Postdoctoral researcher / Research associate in the project "**SUPROMED: Sustainable production in water limited environments of Mediterranean agro-ecosystem (PRIMA)**". Research Committee - University of Thessaly, Greece.

- [06/11/2019 – 31/12/2019 and 30/09/2020 – 30/11/2020]: Postdoctoral researcher / Research associate in the project "**Conservation and Management of the Lesser Kestrel (Falco naumanni*) at three Greek SPA sites (LIFE11 NAT/GR/001011)**". Research Committee - University of Thessaly, Greece.
- [01/03/2018 – 31/12/2018]: Postdoctoral researcher / Research associate in the project "**Supporting maritime spatial Planning in the Eastern Mediterranean (SUPREME) EASME/IMFF/2015/1.2.1.3/01/SI2/742087**". Research Committee - University of Thessaly, Greece.

4. ACADEMIC TEACHING EXPERIENCE

4.1 Total number of courses:

- Stavros Sakellariou has taught for **9 years in Master of Science (MSc) Programs as module leader** (4 modules) and contributor (3 modules), and **5 years in Undergraduate (UG) Programs as module leader** (14 modules). His duties included preparation of teaching material/notes, delivery of lectures, labs and tutorials, preparation and supervision of courseworks and group projects, exam questions, quizzes, feedback to students in small and large cohorts:
- **2 years** in Undergraduate Programs involving 4 courses of supporting teaching (as a Ph.D. candidate).

4.2 Master of Science Courses

[1] Winter semester [2025 – 2026, 2024 – 2025, 2023 – 2024]; Spring semesters [2022 – 2023; 2021 – 2022; 2020 – 2021; 2019 – 2020]: Module leader: "**Natural Disasters Analysis and Management**" on the Master of Science Program "Sustainable Management of Environmental Changes and Circular Economy" - University of Thessaly.

[2] Winter semester [2025 – 2026, 2024 – 2025, 2023 – 2024]; Spring semesters [2022 – 2023; 2021 – 2022; 2020 – 2021; 2019 – 2020; 2018 – 2019]: Co-teaching (40-60% of the module): "**Geospatial Technologies in Environmental Management**" on the Master of Science Program "Sustainable Management of Environmental Changes and Circular Economy" - University of Thessaly.

[3] Spring semester [2025 – 2026, 2024 – 2025, 2023 – 2024]; Winter semesters [2022 – 2023; 2021 – 2022; 2020 – 2021]: Module leader: "**Climate Change Management and Spatial Resilience**" on the Postgraduate Program "Sustainable Management of Environmental Changes and Circular Economy" - University of Thessaly.

[4] Spring semester [2023 – 2024, 2022 – 2023]: Module leader: «**Climate Change and Agrometeorology»** MSc in Sustainable Agriculture & Management. Perrotis College.

[5] Spring semester [2017 – 2018]: Co-teaching (50% of the module): "**Geoinformatics Applications**" on the Master of Science Program "Spatial Analysis and Environmental Management" - University of Thessaly.

[6] Spring semester [2017 – 2018]: Co-teaching (50% of the module): "**Climate Change and Natural hazards Management**" on the Master of Science Program "Spatial Analysis and Environmental Management" - University of Thessaly.

4.3 Undergraduate courses

[1] Spring semester [2023 – 2024]: Module leader: "**Agrometeorology**". Department of Department of Agriculture-Agrotechnology (University of Thessaly), Greece.

[2] Spring semester [2023 – 2024]: Module leader: "**Environmental Education**". Department of Environmental Sciences (University of Thessaly), Greece.

[3] Spring semester [2023 – 2024; 2022 – 2023; 2021 – 2022]: Module leader: "**Forest Fires**". Department of Forestry, Wood sciences and Design (University of Thessaly), Greece.
[4] Spring semester [2022 – 2023; 2021 – 2022]: Module leader: "**Biodiversity Conservation**". Department of Environmental Sciences (University of Thessaly), Greece.
[5] Spring semesters [2021 – 2022; 2020 – 2021; 2019 – 2020]: Module leader: "**Forest Fires (Theory and Laboratory)**". Department of Forestry and Natural Environment Management (Technological Educational Institute of Thessaly), Greece.
[6] Spring semester [2019 – 2020]: Module leader: "**Protection of Forest Ecosystems (Theory and Laboratory)**". Department of Forestry and Natural Environment Management (Technological Educational Institute of Thessaly), Greece.
[7] Spring semesters [2020 – 2021; 2019 – 2020]: Module leader: "**Real Estate**". Department of Planning and Development (Aristotle University of Thessaloniki), Greece.
[8] Spring semesters [2020 – 2021; 2019 – 2020]: Module leader: "**Socio-Spatial Approaches and Social Cartography**". Department of Planning and Development (Aristotle University of Thessaloniki), Greece.
[9] Winter semester [2023 – 2024]: Module leader: "**Natural Hazards**". Department of Environmental Sciences (University of Thessaly), Greece.
[10] Winter semester [2022 – 2023; 2021 – 2022]: Module leader: "**Natural Disasters Management**". Department of Environmental Sciences (University of Thessaly), Greece.
[11] Winter semester [2022 – 2023; 2021 – 2022]: Module leader: "**Coastal Ecosystems Management**". Department of Environmental Sciences (University of Thessaly), Greece.
[12] Winter semester [2020 – 2021]: Module leader: "**Climate Change (Theory and Laboratory)**". Department of Forestry and Natural Environment Management (Technological Educational Institute of Thessaly), Greece.
[13] Winter semester [2020 – 2021]: Module leader: "**Forest Cadastre – Remote Sensing (Theory and Laboratory)**". Department of Forestry and Natural Environment Management (Technological Educational Institute of Thessaly), Greece.
[14] Winter semesters [2020 – 2021; 2019 – 2020]: Module leader: "**Thematic Cartography – Visualization of Geographical Data** ". Department of Planning and Development (Aristotle University of Thessaloniki), Greece.

4.4 Assistant Tutor (as a Ph.D. Candidate) in Undergraduate Program

[1] Spring semesters [2015 – 2016; 2014 – 2015; 2013 - 2014]: Teaching as assistant tutor (Ph.D. candidate) for the course "**Ecosystems Analysis and Management**". Department of Planning and Regional Development, University of Thessaly, Greece.
[2] Winter semester [2015 – 2016]: Teaching as assistant tutor (Ph.D. candidate) for the course "**Natural Resources Management**". Department of Planning and Regional Development, University of Thessaly, Greece.

4.5 Teaching in Lifelong Learning Centers (LLC)

[1] [11/04/2023 – 20/05/2023]: Teaching (20 hours) in the module "**Geographic Information Systems (GIS)**", Center for Lifelong Learning, Research Committee - University of Thessaly.
[2] [25/11/2022 – 31/12/2022]: Teaching (12 hours) in the module "**Geographic Information Systems (GIS) - Basic principles and methods** ", Center for Lifelong Learning, Research Committee - University of Thessaly.

5. RESEARCH AND PROFESSIONAL EXPERIENCE

Total duration of research experience (excluding post-doctoral research): ~52 months without overlapping and **~81** months with overlapping with different research programs

- [01/02/2023 – 30/04/2023]: Research Associate in the project "**Master Plan for the New Forest**". Research Committee - University of Thessaly, Greece.
- [01/11/2012 – 30/11/2015]: Research Associate in the project "**THALES - University of Thessaly - Spatial planning for the sustainable development of island forest areas**". Department of Planning and Regional Development, University of Thessaly, Greece.
- [01/12/2014 – 31/12/2014]: Research Associate in the project "**Physicochemical analyzes of liquid waste and dehydrated sludge of the wastewater treatment plant of the Municipality of Tyrnavos**". Department of Planning and Regional Development, University of Thessaly, Greece.
- [15/05/2014 – 23/11/2014]: Visiting scholar researcher at University of Alberta, Department of Renewable Resources (Western Partnership for Wildland Fire Science) "**Research on the applicability of Canadian fire management tools and fire models (Burn P3, Prometheus fire growth model etc.) in Thasos island, Greece**".
- [01/03/2012 – 31/12/2013]: Research Associate in the project "**Development of A Cost Efficient Policy Tool for Reduction of Particulate Matter in Air. "ACEPT-AIR" (LIFE 09 ENV/GR/000289)**". Department of Planning and Regional Development, University of Thessaly, Greece.
- [01/08/2012 – 15/11/2012]: Research Associate in the project "**Improving water quality monitoring using ecotoxicological analyzes**". Department of Planning and Regional Development, University of Thessaly, Greece.
- [01/01/2012 – 30/06/2012]: Research Associate in the project "**ROAD TIRE, Integration of end-of life tires in the life circle of road constuction (LIFE 09 ENV/GR/000304)**". Department of Planning and Regional Development, University of Thessaly, Greece.
- [01/11/2011 – 15/12/2011]: Research Associate in the project " **Support for processing the REACH registration dossier of ferro-nickel production slags**". Department of Planning and Regional Development, University of Thessaly, Greece.

Engineer of Spatial Planning and Regional Development

[16/06/2011 – Current]

6. LANGUAGE SKILLS

Mother tongue(s): **Greek**

English: C2

Portuguese: A1

German: A1

7. DIGITAL SKILLS

- Microsoft Office (Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Outlook)
- Burn P3, SynchroSim: Burn P3+; Cell2Fire, Prometheus and FireSTARR fire growth simulators
- Prometheus fire growth model
- R programing language

- Python programming language
- WindNinja
- Geographic Information System (GIS Software) και QGIS
- Remote sensing

8. HONOURS AND AWARDS

8.1 Honours and awards

- Invited researcher from the *Academy of Water Resource Conservation Forests in Qilian Mountains*, Zhang Ye city, Gansu Province, China for the implementation of the research project «**Integrating Hydrological, Ecological, Biogeochemical, and Atmospheric Processes across Cold – Arid Alpine Catchments of the Qilian Mountains**»: 18 – 28 / 08 / 2026.
- **Session organiser** and co-chair at the 4th International Conference on Natural Hazards & Infrastructure (ICONHIC 2026). Title of the special session: "**Rethinking Wildfire Resilience: From Forests to Communities and Critical Infrastructure**", June 29 – July 2, 2026, Chania, Greece.
- **Marie Sklodowska-Curie Postdoctoral Fellowship** 2023 Call: FIREWISE (HORIZON-MSCA-2023-PF-01-01 — MSCA Postdoctoral Fellowships). Total score: **94/100**. Discipline: Engineering
- Invited researcher from the *Academy of Water Resource Conservation Forests in Qilian Mountains*, Zhang Ye city, Gansu Province, China for the implementation of the research project "**Research on Ecological and Hydrological Processes of Typical Underlying Surface of the Qilian Mountains**", 14 – 23 /10 2023 and 15/08 – 04/09 2024; **Analysis of Eco-hydrological Effects of Typical Underlying Surfaces in the Northern of the Qilian Mountains:** 08 – 18 / 07 / 2025.
- Member of the Scientific Committee of the International Conference "**2nd AGROECOINFO 2022**, 30/6/2022-1/7/2022, Park Hotel, Volos, Greece".
- Three-year fellowship for postdoctoral research conducted at University of Thessaly and fully funded by the Stavros Niarchos Foundation (12/2017 - 12/2019).
- Funding of the article entitled "Review of state-of-the-art Decision Support Systems (DSS) for prevention and suppression of forest fires" as Open Access by the Journal of Forestry Research as a high-quality review paper (2017).
- Erasmus Mundus scholarship after evaluation from the consortium of the program: Universidade Nova de Lisboa (UNL), NOVA – Information Management School (NOVA IMS) + WestfälischeWilhelms-Universität Münster (WWU), Institute for Geoinformatics (ifgi) + Universitat Jaume I (UJI),Castellón, Dept. Lenguajes y Sistemas Informaticos (LSI) + European Commission: Number of scholarships provided for EU citizens for 2016-2018: 1
- Short-term scholarship abroad for conducting research in the context of Ph.D, State Scholarship Foundation (IKY), 2014.
- Scholarship of excellence for the first semester of the M.Sc. Programme "Spatial Planning and Development" offered by the Department of Planning and Regional Development – University of Thessaly, 2008-2009.
- Scholarship of excellence for the fifth year of the Undergraduate Programme of the Department of Planning and Regional Development – University of Thessaly, 2006-2007.

8.2 Invited speaker in scientific events

- Invited speaker at a scientific session organized by Tsinghua University, School of Environment. Title of the speech: "***Climate-related environmental hazards and spatial resilience: Geospatial insights from drought and wildfire-prone landscapes in China and beyond***" 24/08/2026, Beijing, China.
- Invited speaker at two scientific seminars hosted by i) UNSW Canberra and ii) the Hawkesbury Institute for the Environment, Western Sydney University. Title of the lecture: "***A Wildfire Resilience Framework across Landscapes, Infrastructure and Communities***", 22/07/2026 and 28/07/2026, Canberra and Richmond, Australia.

- Invited speaker at a scientific session organized by Tsinghua University, School of Civil Engineering. Title of the speech: "***Managing Environmental Hazards through Spatial Resilience***" 17/07/2025, Beijing, China.
- Keynote speaker at 2025 6th International Conference on Civil, Architecture, and Disaster Prevention and Control & 3rd International Conference on Durability of Building and Infrastructures for Smart City. Title of the speech: "***Enhancing spatial resilience to wildfires: integrating vulnerability, human impact, and road network features into spatial planning***" 28/02 – 02/03/2025, Qingdao, China.
- Invited speaker at a scientific conference co-organized by i) University of Thessaly; ii) Agricultural University of Athens: "Framework of an innovative agro-ecological crop management system in the vulnerable agriculture of Thessaly". Title of the lecture: "***Early Warning Systems: Floods, Drought, Storms, Hail, Frost, Heat***" 27/09/2024, Larissa, Greece.
- Invited speaker at a scientific conference co-organized by i) University of Thessaly; ii) Agricultural University of Athens: "Results of HUBIS and Measure 16 Projects". Title of the lecture: "***Fertilization-Satellite methodology***" and "***Drought – SPI (1982-2020) – 14 watersheds - to 2050***" 17/07/2024, Agria, Volos, Greece.
- Invited speaker at a scientific two-day conference co-organized by i) the Municipality of Mouzaki with the Network of Municipalities of the Pindos Region; ii) the School of Engineering of Aristotle University of Thessaloniki and iii) the Hellenic Network of Municipalities with Rivers: "Natural Disasters - IANOS". Title of the lecture: "***The importance of integrating forest fire forecasting models in the spatial planning of fire forces***" 17-18/06/2022, Mouzaki Karditsa, Greece.
- Invited speaker for scientific lectures regarding ***the use of geospatial technologies in natural disasters and other economic activities (logistics)*** at the Department of Business School - Mundiapolis University of Casablanca, in the context of the movement of staff for teaching - international mobility program Erasmus+ KA107: 18– 22/07/2022.
- Invited speaker at a scientific event organized by the Department of Environmental Sciences of the University of Thessaly. Title of the lecture: "***Strategic and operational planning of firefighting forces to protect the natural and built environment from fires in the light of climate change***" 11/18/2021, Larissa, Greece
- Invited speaker for (7) seven lectures in the Joint Master of Science Program "Education for the Sustainability and the Environment" in the courses: 1) Economics, Global Injustice and the Road to Sustainability: Title of the lecture: "***Environmental Risks and Spatial Planning: A Critical Emerging Relationship towards Sustainability***"; 2) General Principles of Ecology and Ecosystem Management: Title of the lecture: "**Principles and applications of forest fire prevention and management with the contribution of Geographic Information Systems and Remote Sensing. Post-fire regeneration on Mediterranean Ecosystems**"; 3) Special Environmental Topics: Title of lectures: "***The effects of climate change on the frequency and intensity of extreme events***"; "***Climate change and public health***"; "***Climate change and food security***"; "***Approaches of integrated coastal zone management***"; "***Applied wildfires management and planning***". 2021-2022; 2022 – 2023 and 2023 – 2024.
- Invited speaker on the round table with research topic "***Urban planning, resilience, threats (forest fires)***" at the 5th National Conference on Spatial/Urban Planning and Regional Development. Department of Planning and Regional Development – University of Thessaly. Volos, Greece. September, 27-30, 2018.
- Invited speaker at the scientific conference organized by the Geotechnical Chamber of Greece "Forest Fires: Need for an integrated management system". Title of the lecture: "Design and Development of a Spatial Decision Support System for the integrated management of forest fires" 04/12/2018, Athens, Greece.

8.3 Academic recognition

- **Google scholar citations: 869 citations; h-index = 19; i10-index: 22**
- **Scopus database citations: 589 citations; h-index = 16**
- **Guest Editor of the special issue:** "*Forest Ecosystems Under Climate Pressure: Protection, Fire Management and Socio-Economic Dimensions*", Land (Web of Science), MDPI.

- **Guest Editor of the special issue:** "*Natural Disasters: Modelling, Monitoring, Management and Mitigation Procedures*", Sustainability, MDPI.
- **Guest Editor of the special issue:** "*Spatial and Temporal Monitoring of Wildfire Hazard Under a Climate Change Environment: Prevention, Mitigation and Management,* Frontiers in Forests and Global Change (Web of Science), Frontiers.

8.4 Reviewer on international journals:

1. Science of the Total Environment, *Elsevier* (Web of Science)
2. Ecological Informatics, Elsevier (Web of Science)
3. Geomatics, Natural Hazards and Risk, *Taylor and Francis* (Web of Science)
4. International Journal of Disaster Risk Reduction, *Elsevier* (Web of Science)
5. International Journal of Wildland Fire (Web of Science)
6. Environmental Hazards, *Taylor and Francis* (Web of Science)
7. International Journal of Digital Earth, *Taylor and Francis* (Web of Science)
8. Geo-spatial Information Science, *Taylor and Francis* (Web of Science)
9. Environmental Processes, *Springer* (Web of Science)
10. European Planning Studies, *Taylor and Francis* (Web of Science)
11. Environmental Monitoring and Assessment, *Springer* (Web of Science)
12. Fire, *MDPI (*Web of Science
13. Forests, *MDPI (*Web of Science*)*
14. PLOS ONE, *PLOS* (Web of Science)
15. Frontiers in Forests and Global Change, *Frontiers* (Web of Science)
16. Geocarto International, *Taylor and Francis* (Web of Science)
17. Trees, Forests and People, *Elsevier* (Web of Science)
18. Urban Ecosystems, *Springer* (Web of Science)
19. Symmetry, *MDPI (*Web of Science*)*
20. Remote Sensing, MDPI (Web of Science)
21. Frontiers in Built Environment, *Frontiers (*Web of Science*)*
22. Journal of Forestry Research, *Springer* (Web of Science)
23. Forest Ecology and management, Elsevier (Web of Science)
24. Turkish Journal of Agriculture and Forestry, *Scientific and Technological Research Council of Turkey* (Web of Science)
25. Scottish Geographical Journal, *Taylor and Francis* (Web of Science)
26. Canadian Journal of Forest Research, *Canadian Science Publishing* (Web of Science).
27. Journal of Sustainable Forestry, *Taylor and Francis* (Web of Science)
28. Urban Science, MDPI (Web of Science)
29. Quaestiones Geographicae, *Sciendo* (Web of Science - Emerging Sources Citation Index).
30. SN Applied Sciences, *Springer* (Web of Science - Emerging Sources Citation Index).
31. Γεωγραφίες (In Greek), *Harokopio University Library & Information Center*, ESTIA.
32. Acta Biologica Slovenica, *University of Ljubljana Press & Slovenian Biological Society* (Scopus)

9. ORGANISATIONAL SKILLS - CONFERENCE AND ORGANISATIONAL SKILLS

Total duration organizational and administrative experience (excluding postdoctoral and research experience): **~34** months

- **04/05/2016–02/09/2016: Research Associate** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "Central Actions for the Internship of the University of Thessaly for the academic years from 2015-16 to 2017-18".
- **01/11/2014–10/12/2014: Research Associate - Member of the Conference Organizing Committee (Secretariat)** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "Geomapplica International Conference (8-11/9/2014)".
- **08/09/2014–07/10/2014: Research Associate - Member of the Conference Organizing Committee** – Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "12th International Conference on Protection and Restoration of the Environment (June 29 - July 3, 2014, Skiathos island, Greece)"
- **01/03/2013–15/11/2013: Research Associate - Member of the Conference Organizing Committee (Secretariat)** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "Fourth International Conference on Environmental Management, Planning and Economics (CEMEPE) and SECOTOX Conference and Publication on Special Issues in International Scientific Journals, Mykonos, 24-28 June, 2013".
- **01/10/2012–30/11/2012: Research Associate - Member of the Conference Organizing Committee (Secretariat)** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "4th International Solid Waste Management Conference, 30/11/2012 - 01/12/2012".
- **01/12/2011–30/09/2012: Research Associate - Member of the Conference Organizing Committee (Secretariat)** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "3rd National Conference on Spatial / Urban Planning and Regional Development (September 2012)".
- **01/02/2011–31/08/2011: Research Associate - Member of the Conference Organizing Committee (Secretariat)** - Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "Third International Conference on Environmental Management, Planning and Economics (CEMEPE) and SECOTOX Conference and Publication on Special Issues in International Scientific Journals, Skiathos, 19-23 June, 2011".
- **01/07/2011–31/07/2011: Research Associate - Member of the Conference Organizing Committee** – Research Committee - University of Thessaly, Volos (Greece) - Participation in the Project "Decentralized Liquid Waste Treatment Systems (17/6/2011) - Day Conference"

10.PUBLICATIONS

10.1 Papers published in international peer-reviewed journals

1. Faraslis, I., Dalezios, N. R., Spiliotopoulos, M., Alpanakis, N., **Sakellariou, S.,** Brisimis, V., & Dercas, N. (2026). Satellite-Based Assessment of Potential Microclimatic Effects of Photovoltaic (PV) Power Plants in Vulnerable Agroecosystems. *Atmosphere*.
2. **Sakellariou, S.,** Dalezios, N., Spiliotopoulos, M., Alpanakis, N., Kartsios, S., Faraslis, I., ... & Nsiri, R. (2026). Spatiotemporal Drought Assessment Projections for Climate-Resilient Planning in Distinct Mediterranean Agroecosystems. *Hydrology*, *13*(2), 73.
3. Palaiologou, P., Giannakopoulos, C., Vasilakos, C., **Sakellariou, S.,** Rodrigues, M., Karali, A., ... & Kalabokidis, K. (2025). A dataset to support wildland fire and fuel management in Greece created with stochastic wildfire simulations. *Data in Brief*, 112304.
4. Faraslis, I., Dalezios, N. R., Spiliotopoulos, M., Tziatzios, G. A., **Sakellariou, S.,** Dercas, N., ... & Rolim, J. (2025). Satellite-Based Innovative Agroclimatic Classification Under Reduced Water Availability: Identification of Optimal Productivity Zones. *Land*, *14*(11), 2147.
5. Dercas, N., Tziatzios, G. A., Sidiropoulos, P., Sarchani, S., Faraslis, I., Belaud, G., ... **Sakellariou, S.,** … & Dalezios, N. (2025). Monitoring satellite-based crop irrigation water requirements for maize, cotton and hay in distinct Mediterranean regions. *Agricultural Water Management*, *319*, 109719.

6. Zhao, J., Pulido, M., Antoneli, V., Zhao, W., Ren, X., Jing, W., ... & **Sakellariou, S.** (2025). Combined effect of tree line and environmental protection policy on soil organic carbon accumulation in the Qilian Mountains (China). *International Journal of Environmental Studies*, 1783-1796.
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39. **Sakellariou, S.,** Tampekis, S., Samara, F., & Christopoulou, O. (2015). The use and significance of modern Decision Support Systems (DSS) in the service of humanity against forest fires. In *Proceedings of 15th International Academic Conference* - International Institute of Social and Economic Sciences, Rome, Italy, April 13-17, 2015; pp. 908-915.
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43. Samara, F., Tampekis, S., **Sakellariou, S.,** & Christopoulou, O. (2013). Multi-criteria approach of land use for the island of Skiathos, Greece. In *Proceedings of 4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) & SECOTOX Conference*, Mykonos, Greece, June 24-28, 2013; pp. 936-940.
44. Kungolos, A., Emmanouil, C., Tsiridis, V., Papaoikonomou, K., Manakou, V., Kipouros, S., **Sakellariou, S.,** & Darakas, E. (2013). Assessment of vulnerable freshwater ecosystems and various aquatic effluents by means of ecotoxicological assays, Greece. In *Proceedings of 1stEWaS-MED International Conference: Improving Efficiency of Water Systems in a changing natural and financial environment,* Greece, Thessaloniki April 11– 13, 2013.
45. Arvanitidis, P., and **Sakellariou, S.** (2012). The polycentric urban area of Drama-Kavala-Xanthi (In Greek). In Proceedings of the 3rd National Conference on Urban - Spatial Planning and Regional Development. Department of Spatial - Urban Planning and Regional Development, University of Thessaly, Volos, 27/09 – 30/09/2012.

46. **Sakellariou, S.,** Ekklisiarchi, P., & Emmanouil, C. (2011). The environmental dimension of tourist activity on coastal and insular area of Greece. In *Proceedings of 3rd International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2011) & SECOTOX Conference*, Skiathos, Greece, June 19-24, 2011; pp. 1271-1276.
47. Papaoikonomou, K., **Sakellariou, S.**, and Kungolos, A., (2009). Recycling of Electrical and Electronic Equipment Waste: The case of Volos (In Greek). *In Proceedings of the 3rd International Conference on Solid Waste Management: Aiming to a Zero Waste Society.* Hellenic Solid Waste Management Company. Greece, Athens, October 30-31, 2009.
48. Arvanitidis, P., and **Sakellariou, S.** (2009). Asti of Thessaly: cities, dipoles or a polycentric urban region? (In Greek). In Proceedings of the 2nd National Conference on Urban - Spatial Planning and Regional Development. Department of Spatial - Urban Planning and Regional Development, University of Thessaly, Volos, 24/09 – 27/09/2009.

11.DISSERTATIONS SUPERVISOR

1. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2026) entitled " *The contribution of environmental education to reducing natural disaster risk* ".
2. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2025) entitled "*The need to inform and raise awareness among secondary school students on forest fire issues in Greece*".
3. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2025) entitled "*Early Warning Systems in Disaster Management*".
4. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Wildfire risk assessment using geographic information systems: the case of Chalkidiki prefecture*".
5. Supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2025) entitled "*Enhancing resilience to the impacts of drought on ecosystems, agriculture and water resources*".
6. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Estimating soils erosion susceptibility using the soil erodibility coefficient*".
7. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Climate crisis and natural disasters. Case study: the 'Daniel' and 'Elias' (flooding) phenomena in the Municipality of Palamas*".
8. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*The impacts of the climate crisis on drought: Quantification through the use of indicators*".
9. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Rural sustainability: Importance and ways of assessment*".
10. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Climate Change and Forest Fires: The Role of School Education in Students' Perceptions and Behaviors*".
11. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Forest fires: Impacts, risks and protection of forest ecosystems*".

12. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*The Impacts of the Climate Crisis on Agriculture: The Case of Greece*".
13. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2024) entitled "*Climate change effects on agriculture and food security – Mitigation and projections*".
14. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2024) entitled "*Sustainability/ESG criteria in the urban environment*".
15. Co-supervisor of postgraduate thesis in the Joint Master of Science Program, "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2024) entitled "*Weaning off conventional fuels: How achievable is the Green Deal goal*".
16. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2024) entitled "*Effects of climate change on the built environment. Mitigation strategies*".
17. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2024) entitled "*Flood hazard assessment using geographical information systems (GIS) and multi-criteria analysis – The case study of Thessaly Region*".
18. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2024) entitled "Review of s*tate-of-the-art information systems and techniques for the prevention and management of environmental risks*".
19. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled "*Application of new technologies in natural disasters*".
20. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2024) entitled " *Greening as a measure for urban mitigation and adaptation to climate change: the case of Akademia Park, Karditsa, Greece* ".
21. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2024) entitled "*Planning of immediate evacuation routes in case of natural disasters*".
22. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2024) entitled "*Determination of particulate matter (PM) emitted by extreme wildfires phenomena*".
23. Supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment"-, University of Thessaly, Greece - (2023) entitled " *Environmental education and natural disasters* ".
24. Supervisor of undergraduate thesis in the Department of Environmental Sciences - (2023) entitled "*Exploration of the temporal evolution of fires and their effects in Greece*".
25. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2023) entitled "*Renewable energy sources and biodiversity. Identification of areas of exclusion and incompatibility due to direct influence with critical ecological elements*".
26. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2023) entitled "*Floods in Greece*".
27. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2023) entitled "*Spatial planning of multifunctional green and blue infrastructures – The case study of Volos city*".
28. Supervisor of undergraduate thesis in the Department of Environmental Sciences, University of Thessaly, Greece - (2023) entitled "*Analysis of psychosocial effects of individuals who experienced major natural disasters in Greece*".

29. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2023) entitled "*Spatiotemporal study of the effect of Canadian and other indicators on forest fires phenomenon using artificial intelligence in Greece"*.
30. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2023) entitled "*Socio-spatial analysis of the importance of green infrastructure as an urban heat island mitigation strategy: Conclusions from case studies in America and China"*.
31. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2023) entitled "*The effects of Climate Change on three main types of environmental hazards: Forest Fires, Drought, Desertification. Adaptation strategies and measures at international level"*.
32. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2023) entitled "*The contribution of Renewable Energy Sources in Climate Change mitigation. The strategic planning of Greece from 2030 to 2050"*.
33. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2022) entitled "*The smart city as a strategic improvement of citizens' living conditions: Urban Forests*".
34. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Education for the Sustainability and the Environment", University of Thessaly, Greece - (2022) entitled "*Analysis and management of atmospheric pollution and impacts of fires on the natural and man-made environment*".
35. Supervisor of undergraduate thesis in the Department of Forestry and Natural Environment Management, TEI of Thessaly - (2022) entitled "*Spatiotemporal analysis of the evolution of forest fires in Cyprus (2000-2021)*".
36. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2022) entitled "*Impacts assessment of the North Evia mega fire in 2021* ".
37. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2021) entitled "*Forest fires - recording of land use changes and impacts on the built environment with the use of Geographical Information Systems (GIS) - The case of Mati, Attika*".
38. Supervisor of undergraduate thesis in the Department of Forestry and Natural Environment Management, TEI of Thessaly - (2021) entitled "*Time-series analysis of the evolution of forest fires in Thessaly region (2000-2020)*".
39. Co-supervisor of postgraduate thesis in the Joint Master of Science Program "Sustainable Management of Environmental Change and Circular Economy", University of Thessaly, Greece - (2022) entitled "*The use of new technologies to reduce inputs to agricultural ecosystems. Case study: The Nitrogen requirements in Mediterranean annual crops*" (under development).

12. CONFERENCES AND SEMINARS

Seminars

- Certificate of Achievement for the following course: **Bushfires: Response, Relief, and Resilience**. The University of Newcastle Australia, UNITAR and CIFAL Newcastle. Date of completion: 26/10/2024.
- Follow-up seminar for the writing of research proposals "HORIZON 2020". Information and training on writing research proposals at European level.

- Summer school for R Programming language (4 ECTS): Ecological Data Analysis 2015 (ecodar2015). University of the Aegean - School of Environment: Departments of Sea Sciences and Environment.

13. NETWORKS AND MEMBERSHIPS

Networks and memberships

- Member of the Technical Chamber of Greece since 2008
- Member of the Metainfrastructure group (https://metainfrastructure.org/)