

	Name: DIMITRA VAGIONA
	Position: PROFESSOR
	Subject: SUSRAINABLE DEVELOPMENT AND PROJECT AND ENVIRONMENTAL MANAGEMENT
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Studies

Post-doc Studies

2007: Department of Civil Engineering, University of Thessaly
Development of integrated methodology for the sustainable management of urban water demand through econometric methods and computer science tools.

PHd

2004: Department of Civil Engineering, Aristotle University of Thessaloniki. Demand-side management of water in the industrial sector in the city of Thessaloniki.

Studies

2000: Diploma of Civil Engineering, Department of Civil Engineering, Aristotle University of Thessaloniki

Research interests

- Sustainable development
- Environmental Impact Assessment (EIA)
- Legislation on EIA
- Natural Resources Management
- Environmental Economics
- Water Resources Management
- Sustainable planning of tourism development
- Project and program management
- Strategic Planning
- Renewable Energy Sources siting and development

Teaching (Courses)

Undergraduate Courses, Department of Spatial Planning and Development

1. “Environmental Impact Assessment Study: Theory and Practice”, 2. “Project Management”, 3. “Sustainable Development and Environmental Protection Projects”, 4. “Natural Resources Management and Protected Areas Management”, 5. “Planning and Management in tourism and environment”, 6. “Methodology for conducting a dissertation project”, 7. “European Environmental

Graduate Courses	Legislation”
	“ Renewable Energy Sources-Environmental Impacts ”, Postgraduate Programme of Department of Civil Engineering «Environmental Protection and Sustainable Development».
Supervision of diploma Theses	Diploma Theses – PhD
	Supervision of 80 research, 97 diploma theses and 12 postgraduate diploma theses.
Supervision of PhD students	PhD1: Water Resources Management with the use of Water Footprint method (25/10/2019)
	PhD2: Project success assessment in the framework of an integrated Project Management (23/6/2022)
	PhD3: Integrated and Sustainable Siting of Wind and Solar Energy Projects: Development and Implementation of Exclusion and Optimization Siting Tools (in progress)
	PhD4: Greece's transition to renewable (green) hydrogen

Recent publications:

1. **Dimitra G. Vagiona**, Project Management – Theory, Techniques and Tools, Disigma Editions, ISBN13: 978-618-202-047-0, Year of Publication: 2021, pp. 448
2. **Dimitra G. Vagiona**, Environmental Impact Assessment: Theory and Applications, Disigma Editions, ISBN13: 978-618-202-065-4, 2nd Edition, Year of publication: 2021, pp. 880
3. Sarantidou N., **Vagiona D.** (2017), “Spatial investigation of water pricing policy in the residential sector in Greece”, Hydrotechnika, 26, pp. 14-27. (in Greek)
4. Vasileiou M., Loukogeorgaki E. and **Vagiona D.** (2017), “GIS-based Multi-criteria Decision Analysis for Site Selection of Hybrid Offshore Wind and Wave Energy Systems in Greece”, Renewable and Sustainable Energy Reviews, 73, 745–757, <http://dx.doi.org/10.1016/j.rser.2017.01.161>
5. **Vagiona D.** and Doxopoulos G. (2017), “The development of sustainable tourism indicators for the islands of the Northern Sporades region in Greece”, Fresenius Environmental Bulletin Journal, Vol. 26, No 2, pp 1301-1309.
6. Lamprou A. and **Vagiona D.** (2017), “An innovative Strategic Spatial Planning Model: the Municipal Unity of Thermi (Thessaloniki-Greece) case study”, Cogent Social Sciences, 3: 1395784, <https://doi.org/10.1080/23311886.2017.1395784>
7. **Dimitra Vagiona** and Manos Kamilakis (2018), “Sustainable site selection for offshore wind farms in the South Aegean – Greece”, Sustainability, 2018, 10(3), 749; <https://doi.org/10.3390/su10030749>.
8. Stella Symeonidou and **Dimitra Vagiona** (2018), “The role of the Water footprint in the context of green marketing policy”, Environmental Science and Pollution Research, 1-13, <https://doi.org/10.1007/s11356-018-1838-0>.
9. A. Bili and **D. Vagiona** (2018), “Use of multicriteria analysis and GIS for selecting sites for onshore wind farms: The case of Andros island (Greece)”, European Journal of Environmental Sciences, Vol. 8, No. 1, pp. 5–13 <https://doi.org/10.14712/23361964.2018.2>.
10. Eva Loukogeorgaki, **Dimitra G. Vagiona** and Margarita Vasileiou (2018), “Site Selection of Hybrid Offshore Wind and Wave Energy Systems in Greece Incorporating Environmental Impact Assessment”, Energies 2018, 11(8), 2095; <https://doi.org/10.3390/en11082095>.
11. A. Lamprou and **D. Vagiona**, (2018), “Success criteria and critical success factors in project success: a literature review”, RELAND: International Journal of Real Estate & Land Planning, Vol. 1.

12. A. Lazoglou and **D. Vagiona**, (2018), "Economic valuation for the protection of lake Pamvotis in Ioannina-Greece", *RELAND: International Journal of Real Estate & Land Planning*, Vol. 1.
13. Stella Symeonidou and **Dimitra Vagiona** (2019), "Water Footprint of Crops in Rhodes Island", *Water*, 11(5), 1084, <https://doi.org/10.3390/w11051084>.
14. **Vagiona, D.G.** and Karapanagiotidou, X. (2019), "Strategic Environmental Impact Assessment for Onshore Windfarm Siting in Greece", *Environments*, 6(8), 94. <https://doi.org/10.3390/environments6080094>.
15. Sofia Spyridonidou, **Dimitra G. Vagiona** and Eva Loukogeorgaki (2020), "Strategic Planning of Offshore Wind Farms in Greece", *Sustainability*, 12(3), 905; <https://doi.org/10.3390/su12030905>.
16. Sofia Spyridonidou and **Dimitra G. Vagiona** (2020), "Spatial energy planning of offshore wind farms in Greece using GIS and a hybrid MCDM methodological approach", *Euro-Mediterranean Journal for Environmental Integration* 5, 24, <https://doi.org/10.1007/s41207-020-00161-3>.
17. Sofia Spyridonidou and **Dimitra G. Vagiona** (2020), "Systematic Review of Site-Selection Processes in Onshore and Offshore Wind Energy Research", *Energies*, 13(22), 5906; <https://doi.org/10.3390/en13225906>.
18. Sofia Spyridonidou, Georgia Sismani, Eva Loukogeorgaki, **Dimitra G. Vagiona**, Hagit Ulanovsky, Daniel Madar (2021), "Sustainable Spatial Energy Planning of Large-Scale Wind and PV Farms in Israel: A Collaborative and Participatory Planning Approach", *Energies*, 14(3), 551; <https://doi.org/10.3390/en14030551>.
19. **Dimitra G. Vagiona** and Anastasia Palloglou (2021), "An indicator-based system to assess tourism carrying capacity in a Greek island", *International Journal of Tourism Policy*, Vol. 11, No. 3.
20. Sofia Spyridonidou and **Dimitra G. Vagiona** (2021), "A Comparative Analysis of Decision-Making Methods on Site Suitability for On- and Offshore Wind Farms: The Case of Regional Unit of Euboea, Greece", *Circular Economy and Sustainability*, <https://doi.org/10.1007/s43615-021-00080-7>.
21. **Dimitra G. Vagiona** (2021), "Comparative Multicriteria Analysis Methods for Ranking Sites for Solar Farm Deployment: A Case Study in Greece", *Energies*, 14(24), 8371; <https://doi.org/10.3390/en14248371>.
22. Eva Loukogeorgaki, **Dimitra G. Vagiona** and Areti Lioliou (2022), "Incorporating Public Participation in Offshore Wind Farm Siting in Greece", *Wind*, 2(1), 1–16. <https://doi.org/10.3390/wind2010001>
23. **Dimitra G. Vagiona**, George Tzekakis, Eva Loukogeorgaki and Nikolaos Karanikolas (2022), "Site Selection of Offshore Solar Farm Deployment in the Aegean Sea, Greece", *Journal of Marine Science and Engineering*, 10(2), 224; <https://doi.org/10.3390/jmse10020224>
24. A. Lamprou and **D. Vagiona** (2022), "Identification and evaluation of success criteria and critical success factors in project success", *Global Journal of Flexible Systems Management*, 10.1007/s40171-022-00302-3.
25. N. Soldatou, P. Chatzianastasiadou and **D. Vagiona** (2022), "Assessment of carbon-related scenarios for tourism development in the island of Lefkada in Greece", *Tourism and Hospitality*, 3(2), 345-361, <https://doi.org/10.3390/tourhosp3020023>.
26. **Dimitra G. Vagiona** and Vasiliki Alexiou (2022), "Wind Farm Deployment in Uninhabited Islets: the Region of South Aegean (Greece) Case Study", *Wind*, 2022, 2(3), 451-465; <https://doi.org/10.3390/wind2030024>.
27. Athanasios Lamprou and **Dimitra G. Vagiona** (2022), "Towards a unified framework for Project Success Score Computation in Construction Projects", *CivilEng*, 3(3), 779-793; <https://doi.org/10.3390/civileng3030045>.
28. Antonis Terzidis and **Dimitra G. Vagiona** (2022), "Assessment of beaches' scenery in tourism destinations: the case of Municipality of Sithonia, Greece",

- Journal of Tourism Management and Research, 9(2), <https://doi.org/10.18488/31.v9i2.3208>.
29. Styliani Karamountzou and **Dimitra G. Vagiona** (2023), "Suitability and Sustainability Assessment of Existing Onshore Wind Farms in Greece", Sustainability, 15(3), 2303; <https://doi.org/10.3390/su15032303>.
 30. Spyridoula Kakia, Georgia Pozoukidou and **Dimitra G. Vagiona** (2023), "Providing an Integrated Vulnerability Assessment Indicator System (VAIS) to Measure the Spatial Vulnerability of Areas near Seveso Establishments in Thessaloniki (Greece)", Sustainability, 15(3), 2095; <https://doi.org/10.3390/su15032095>
 31. Spyridonidou Sofia and **Dimitra G. Vagiona** (2023), A systematic review of site-selection procedures of PV and CSP technologies, Energy Reports, 9, pp. 2947-2979; <https://doi.org/10.1016/j.egyr.2023.01.132>.

Recent Research Activity:

Project success assessment in the framework of an integrated Project Management. Hellenic Foundation for Research and Innovation (HFRI), 2017-2019.

Combine2Protect-Common Plans for Biodiversity conservation and sustainable targets for the development of bilateral network of protected areas. IPA-CBC Programme, co-founded by the European Union and by National Funds of the Participating Countries , 2019-2020.

MARLITER – Improved online public access to environmental monitoring data and data tools for the Black Sea Basin supporting cooperation in the reduction of marine litter. European Union's Cross-Border Cooperation (CBC) under its European Neighbourhood Instrument (ENI) – ENI CBC Black Sea Basin Programme, 2019-2021.

"PEARLS-Planning and Engagement Arenas for Renewable energy LandscapeS". European Commission (HORIZON2020, Marie Skłodowska-Curie Research and Innovation Staff Exchange), 2018-2022.

Other Scientific Activities:

A. Reviewer in scientific journals

Water Resources Management, Urban Water, European Water, International Journal of Environmental Research and Public Health (IJERPH), Journal of Fresenius Environmental Bulletin, South-Eastern European Journal of Earth Observation and Geomatics, Business Systems Review, Environmental Processes, Global NEST Journal, Ecological Economics, International Journal of Environment and Sustainability (IJES), Journal of Renewable and Sustainable Energy, Journal: Clean- Soil, Air, Water, Applied Water Science, International Journal of Construction Management International Journal of Continuing Engineering Education and Life-Long Learning (IJCEELL), Energies, Environments, Sustainability, World Review of Science, Technology and Sustainable Development, Computers and Electronics in Agriculture, Wind Energy, Ocean Engineering, Research in Globalization, Energy Science and Engineering, Inventions, Sustainable Energy Technologies and Assessments, Frontiers in Marine Science, Energy Reports, Journal of Energy and Power Technology, Operational Research, Socio-Economic Planning Sciences, Science Progress, European Journal of Geography (EJG)

B. Member of Reviewer Board in Sustainability Journal

https://www.mdpi.com/journal/sustainability/submission_reviewers.

C. Associate Editor for the journal “Euro-Mediterranean Journal for Environmental Integration” Topic (T7): Smart technologies for environmentally friendly energy production.

D. Editor in collective volume Sustainable Environmental Solutions - Proceedings of the 16th International Conference on Environmental Science and Technology (CEST-2019), Greece, in Springer ASTI Book Series (indexed in Scopus), <https://www.springer.com/series/15883>.

E. Guest Editor in Special Issues:

1. Global NEST Journal, Guest Editor: Special Issue “Clean Energy and Sustainability”, Volume 14, No 2, June 2012.
2. European Journal of Environmental Sciences, Guest editor: Special Issue on “Environmental Planning, management and policies for cities and regions”.
3. Environmental Processes (<https://link.springer.com/article/10.1007/s40710-017-0271-6>)
4. European Journal of Environmental Sciences, Guest editor: Special Issue on “Environmental Planning, Management and Policies”, 2018, Vol 8 No (1).
5. Euro-Mediterranean Journal for Environmental Integration, Guest editor: Special Issue on “Environmental Planning, Management and Policies”, 2020
6. Sustainability, Special Issue "Spatial Planning and Sustainable Energy Development", https://www.mdpi.com/journal/sustainability/special_issues/spatial_planning_and_sustainable_energy_development (σε εξέλιξη)
7. Euro-Mediterranean Journal for Environmental Integration, Guest editor: Special Issue on “Environmental Planning, Management and Policies”, 2022