



## PERSONAL INFORMATION

**Name** VASSILIKI MARKOGIANNI  
**Address** Olimpionikon 5b, Krioneri, 14568, Attica, Greece  
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**Mobile** +30-6979771426  
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**Date of birth** 06.10.1984

## WEB

**Google scholar** <https://scholar.google.gr/citations?user=okoAToYAAAAJ&hl=en&oi=ao>  
**Scopus** <https://www.scopus.com/authid/detail.uri?authorId=55414393800>  
**Researchgate** [https://www.researchgate.net/profile/Vasso\\_Markogianni](https://www.researchgate.net/profile/Vasso_Markogianni)  
**ORCID** <https://orcid.org/0000-0002-4433-485X>  
**Web of Science**  
**ResearcherID** IQW-4863-2023  
**Professional** <http://imbrwv.hcmr.gr/en/vassiliki-markogianni/>

## WORK EXPERIENCE

**Dates** **10/06/2011-Today**  
**Name and address of employer** Institute of Marine Biological Resources and Inland Waters, Hellenic Centre for Marine Research  
**Type of business or sector** Public Research Center/Institute  
**Occupation or position held** **Research associate**  
**Main activities and responsibilities** Participation in EU and national research projects in the fields of :

- Environmental management
- Environmental Monitoring
- Environmental Water Resources Management
- Integrated River/Lake basin management
- Aerial/Satellite Remote Sensing
- Image Processing of aerial and satellite images, vegetation maps, landuse/landcover maps
- Monitoring of environmental parameters through Remote Sensing and GIS techniques
- G.I.S. applications

**Dates** **02/2010-11/2010**  
**Name and address of employer** Institute of Marine Biological Resources and Inland Waters, Hellenic Centre for Marine Research

**Type of business or sector** Public Research Center/Institute  
**Occupation or position held** **MSc student scholarship**  
**Main activities and responsibilities** G.I.S. and Remote Sensing applications

## EDUCATION AND TRAINING

Dates	<b>2023</b>
Name and type of organisation	Department of Natural Resources Management and Agricultural Engineering Agricultural University of Athens (AUA)
Principal subjects/occupational skills covered	GIS, Remote Sensing and Spatial Analysis for inland water quality monitoring
Title of qualification awarded	<b>PhD</b> <b>Title : Water Quality Assessment in Greek Lakes by using Remote Sensing and Statistical Modelling</b>
Dates	<b>2008-2010</b>
Name and type of organisation	Agricultural University of Athens (AUA)
Principal subjects/occupational skills covered	<b>Geoinformatics in Natural Resources</b>
Title of qualification awarded	<b>MSc</b>
Dates	<b>2002-2007</b>
Name and type of organisation	Department of Environmental Management and Natural Resources University of Ioannina (UOI)
Principal subjects/occupational skills covered	<b>Environmental management</b>
Title of qualification awarded	<b>BSc</b>

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	<b>Greek</b>
OTHER LANGUAGES	<b>English</b> : Fluency (London Tests of English, Edexcel, Level 5) <b>German</b> : Knowledge (Zertifikat Deutsch, Goethe - Institut)

## SPECIFIC ITEMS

COMPUTER SOFTWARE COMPETENCES	Microsoft Windows 10 Pro Microsoft Office (Word, Excel, Databases, PowerPoint) ESRI ArcGIS 10.4, ENVI 5.5, QGIS 3.40 IBM SPSS Statistics version 24, Statistica 10, Primer 6 BETA
SCHOLARSHIPS	Post-doc scholarship based on the program "Supporting researchers with emphasis on young researchers – Round B" - Development of Human Resources, Education and Lifelong Learning, Ministry of Education and Religious Affairs - Project. Coordinator: Research Director, Dr. E. Dimitriou (2020-2022 - 15 months). The project is entitled "Remote sensing methodology for roughness estimation in ungauged streams and sensitivity analysis of floods using different hydraulic/hydrodynamic modeling approaches (1D,2D,1D/2D)" <a href="https://imbriv.hcmr.gr/methodology-for-remote-sensing-estimation-of-flood-roughness-of-data-deficient-watercourses-and-flood-simulation-sensitivity-analysis-using-different-hydraulic-hydrodynamic-">https://imbriv.hcmr.gr/methodology-for-remote-sensing-estimation-of-flood-roughness-of-data-deficient-watercourses-and-flood-simulation-sensitivity-analysis-using-different-hydraulic-hydrodynamic-</a>

**Role:** PhD Scholar

**TRAINING -  
WORKSHOPS**

1. Introductory Webinar: *Using Earth Observations to Monitor Water Budgets for River Basin Management*, NASA's Applied Remote Sensing Training Program (ARSET) (webinar), NASA, 13 March – 3 April 2019.
2. Advanced Webinar: *Integrating Remote Sensing into a Water Quality Monitoring Program*, NASA's Applied Remote Sensing Training Program (ARSET) (webinar), NASA, 5 June – 19 June 2019
3. *First Microwave Ocean Remote Sensing Training School*, 29/09-06/10 2013, Institute of Marine Sciences, Barcelona

**INDICATIVE  
PARTICIPATION IN  
RESEARCH PROJECTS  
(Progress and final  
reporting and/or field  
sampling campaigns)**

1. Path4Med HORIZON project: Demonstrating Innovative Pathways Addressing Water Pollution in the Mediterranean Agro Hydro System (2024-2027). Project Coordinator: Dr. Konstantinos X Soulis, Assistant Professor Geoinformatics and Spatial Analysis in Agriculture and Environment Agricultural University of Athens. <https://www.path4med.eu/the-project/>.
2. Emblematic Action of Green Islands in the framework of the circular economy-NHSOS" (2023-2025) National project: Ministry of Development and Investment, Greece 2.0 – Recovery and Resilience Fund, Project coordinator: Dr. M. Stoumpoudi (IMBRIW).
3. National project "Prespa rivers", Project coordinator: Research Director, Dr. E. Dimitriou, 2022-2024, <https://imbriw.hcmr.gr/prespa-rivers/>.
4. Privately funded project "EASTMED", Research Director, Dr. E. Dimitriou, 2021. <https://imbriw.hcmr.gr/eastmed/>.
5. National project "Fish Fauna-Schinias", Project coordinator: Researcher Dr. S. Zogaris, 2019-2021, <https://imbriw.hcmr.gr/fish-fauna-schinias/>.
6. National project "Ohrid Lake Watershed", Project coordinator: Research Director, Dr. E. Dimitriou, 2019, <https://imbriw.hcmr.gr/ohrid-lake/>.
7. National project "IGI Poseidon", Project coordinator: Research Director, Dr. E. Dimitriou, 2018-2019, <https://imbriw.hcmr.gr/igi-poseidon/>.
8. National project "Monitoring and Recording of the Water Status (Quality, Quantity, Pressures, Use) in Greece" (2017-2023), Y.ME.PER.A.A. 2014-2020, Project coordinator: Dr. E. Dimitriou
9. "Hellenic Integrated Marine and Inland Water Resources Observing, Forecasting and Offshore Technology Systems (HIMIOFoTS) - Maintenance and upgrading of an integrated sea and surface water monitoring and forecasting system" (2017-2019).
10. "Improving Knowledge and Increasing Awareness for Wetland Restoration In Attica Region" (2016-2017), National project: Program co-funded by 85% from the EEA FM 2009-2014 and by 15% from the national funds (Greek Public Investment Programme), Project coordinator: Dr. E. Dimitriou
11. "Development of a decision support tool for the sustainable management of water resources, in combination to the optimisation of power production" (2015-2017). National project: Programming Agreements between Research Centers -GSRT/IKY/SIEMENS 2014-2016, Project coordinator: Dr. M. Stoumpoudi (IMBRIW).
12. "Development of an integrated management framework of river basins and associated coastal and marine zone" (2013-2015). National project: Ministry for Education, Religious Affairs, Culture and Sport of Greece and the European Union - European Regional Development Fund, "Proposals for Development of Research Bodies-KRIPIS", Project coordinator: Dr. E. Dimitriou (IMBRIW).
13. "TAP EAST Komotini - Thessaloniki ESIA Greece – Hydrobiology Baseline Study" (2012-2013), TAP AG, Project coordinator: Dr. E. Dimitriou
14. "Advancing understanding of carbon cycling and coloured dissolved organic matter dynamics in European wetlands & coastal ecosystems through integration of observations and novel modelling approaches - ECODOM" (2008-2012), Marie Curie, Project coordinator: Dr. E. Dimitriou

**PUBLICATIONS IN  
INTERNATIONAL,  
PEER-REVIEWED  
JOURNALS**

1. **Markogianni, V.**; Kalivas, D. P.; Petropoulos, G. P.; Giovos, R.; Dimitriou, E. Comparative Analysis of Trophic Status Assessment Using Different Sensors and Atmospheric Correction Methods in Greece's WFD Lake Network. *Remote Sens.* **2025**, 17(11), 1822, <https://doi.org/10.3390/rs17111822>.
2. Papaioannou, G., Alamanos, A., Basheer, M., Nagkoulis, N., **Markogianni, V.**, Varlas, G., Plataniotis, A., Papadopoulos, A., Dimitriou, E., and Koundouri, P.: A lesson in preparedness: Assessing the

- effectiveness of low-cost post-wildfire flood protection measures for the catastrophic flood in Kineta, Greece, EGU sphere [preprint], <https://doi.org/10.5194/egusphere-2025-2834>, **2025**.
3. Alamanos, A.; Papaioannou, G.; Varlas, G.; **Markogianni, V.**; Plataniotis, A.; Papadopoulos, A.; Dimitriou, E.; Koundouri, P. A. Designing Post-Fire Flood Protection Techniques for a Real Event in Central Greece. *Prevention and Treatment of Natural Disasters* **2024**, 3(2), 303.
  4. Varlas, G.; Papadopoulos, A.; Papaioannou, G.; **Markogianni, V.**; Alamanos, A.; Dimitriou, E. Integrating Ensemble Weather Predictions in a Hydrologic-Hydraulic Modelling System for Fine-Resolution Flood Forecasting: The Case of Skala Bridge at Evrotas River, Greece. *Atmosphere* **2024**, 15, 120. <https://doi.org/10.3390/atmos15010120>.
  5. Alamanos, A.; Papaioannou, G.; Varlas, G.; **Markogianni, V.**; Papadopoulos, A.; Dimitriou, E. Representation of a Post-Fire Flash-Flood Event Combining Meteorological Simulations, Remote Sensing, and Hydraulic Modeling. *Land* **2024**, 13, 47. <https://doi.org/10.3390/land13010047>.
  6. Papaioannou, G.; **Markogianni, V.**; Loukas, A.; Dimitriou, E. Remote Sensing Methodology for Roughness Estimation in Ungauged Streams for Different Hydraulic/Hydrodynamic Modeling Approaches. *Water* **2022**, 14, 1076. <https://doi.org/10.3390/w14071076>.
  7. **Markogianni, V.**; Kalivas, D.; Petropoulos, G.P.; Dimitriou, E. Modelling of Greek Lakes Water Quality Using Earth Observation in the Framework of the Water Framework Directive (WFD). *Remote Sens.* **2022**, 14, 739. <https://doi.org/10.3390/rs14030739>.
  8. Al-Hajri, S.M., Petropoulos, G.P. & **Markogianni, V.** Seasonal variation of key environmental parameters in the Sea of Oman using EO data and GIS. *Environ Dev Sustain* **23**, 6021–6046 (2021). <https://doi.org/10.1007/s10668-020-00860-5>
  9. **Markogianni, V.**; Kalivas, D.; Petropoulos, G.P.; Dimitriou, E. Estimating Chlorophyll-a of Inland Water Bodies in Greece Based on Landsat Data. *Remote Sens.* **2020**, 12, 2087. <https://doi.org/10.3390/rs12132087>.
  10. Stefanidis, K., Papaioannou, G., **Markogianni, V.**, & Dimitriou, E. (2019). Water Quality and Hydromorphological Variability in Greek Rivers: A Nationwide Assessment with Implications for Management. *Water*, 11(8), 1680. <https://doi.org/10.3390/w11081680>
  11. **Vassiliki Markogianni**, Dionissios Kalivas, George P. Petropoulos, Elias Dimitriou (2018). An Appraisal of the Potential of Landsat 8 in Estimating Chlorophyll-a, Ammonium Concentrations and Other Water Quality Indicators. *Remote Sens.* 10(7), 1018; doi:10.3390/rs10071018.
  12. Ioanna Varkitzi, **Vassiliki Markogianni**, Maria Pantazi, Kalliopi Pagou, Alexandra Pavlidou and Elias Dimitriou (2018). Effect of river inputs on environmental status and potentially harmful phytoplankton in a coastal area of eastern Mediterranean (Maliakos Gulf, Greece). *Mediterranean Marine Science*, [S.l.], p. 326-343. ISSN 1791-6763, doi:http://dx.doi.org/10.12681/mms.14591.
  13. **Vassiliki Markogianni**, Evangelia Anastasopoulou, Alexandros Tsoupras, Elias Dimitiou (2018). Identification of Pollution Patterns and Sources in a Semi-Arid Urban Stream. *Journal of Ecological Engineering*, 19:99-113. <https://doi.org/10.12911/22998993/81784>
  14. **Vassiliki Markogianni**, Ioanna Varkitzi, Kalliopi Pagou, Alexandra Pavlidou and Elias Dimitriou (2017). Nutrient flows and related impacts between a Mediterranean river and the associated coastal area. *Continental Shelf Research*, 134: 1-14, ISSN 0278-4343, <http://dx.doi.org/10.1016/j.csr.2016.12.014>.
  15. Mentzafou, A., **Markogianni, V.** and Dimitriou, E. (2017). The Use of Geospatial Technologies in Flood Hazard Mapping and Assessment: Case Study from River Evros. 174: 679. DOI: 10.1007/s00024-016-1433-6.
  16. **Vasiliki Markogianni**, Angeliki Mentzafou and Elias Dimitriou (2016). Assessing the impacts of human activities and soil erosion on the water quality of Plastira mountainous Mediterranean Lake, Greece. *Environ Earth Sci* 75:915. <https://doi.org/10.1007/s12665-016-5737-8>.
  17. **Vassiliki Markogianni** & Elias Dimitriou (2016): Landuse and NDVI change analysis of Sperchios river basin (Greece) with different spatial resolution sensor data by Landsat/MSS/TM and OLI, Desalination and Water Treatment, <https://doi.org/10.1080/19443994.2016.1188734>.
  18. Xiaoxi Yu, Elias Dimitriou, Sarantakos Konstantinos, **Vasiliki Markogianni**, Dorita Politi (2015). Effects of Yucca Shidigera extract on the reduction of ammonia concentration in Lake Koumoundourou. *Journal of Ecological Engineering*, 16(4):1-7. <https://doi.org/10.12911/22998993/59338>.
  19. K. Gritzalis, E. Anastasopoulou, N. Georgiopoulos, **V. Markogianni**, N. Skoulikidis (2015). Water quality and benthic fauna biodiversity in a unique small wetland at Messinia, Greece. *Journal of Environmental Biology*; Vol 36(special issue):171-176.
  20. Stamatis Zogaris, **Vassiliki Markogianni**, Saniye Cevher Özeren and Elias Dimitriou (2015). Assessment of the riparian zone and river island conditions in a trans-boundary greenbelt: The EVROS/MERİÇ river (Greece/Turkey), *Fresenius Environmental Bulletin*, 24(1b):269-277.
  21. Elias Dimitriou, **Vassiliki Markogianni**, Aggeliki Mentzafou, Ioannis Karaouzas & Stamatis Zogaris (2014). Ecological status assessment of Pikrodafni stream (Attica, Greece), restoration and management measures, *Desalination and Water Treatment* 1-8, <https://doi.org/10.1080/19443994.2014.952250>.
  22. **V. Markogianni** & E. Dimitriou & I. Karaouzas (2014). Water quality monitoring and assessment of an urban Mediterranean lake facilitated by remote sensing applications, *Environ Monit Assess*, 186:5009–5026, <https://doi.org/10.1007/s10661-014-3755-0>.

23. Konstantinos C. Gritzalis, Evangelia Th. Anastasopoulou, **Vasiliki Markogianni** and Nikolaos A. Georgiopoulos (2014). Assessing Tools and methods for water quality monitoring in medium sized rivers. The case of Arcadikos river (Messinia, Greece). *Fresenius Environmental Bulletin*, Vol. 23-No.11a.
24. **V. Markogianni**, E. Dimitriou & D.P. Kalivas (2013): Land-use and vegetation change detection in Plastira artificial lake catchment (Greece) by using remote-sensing and GIS techniques, *International Journal of Remote Sensing*, 34:4, 1265-1281. <https://doi.org/10.1080/01431161.2012.718454>
25. Dimitriou Elias, Mentzafou Angeliki, **Markogianni Vasiliki**, Tzortziou Maria and Zeri Christina (2012). Geospatial Investigation into Groundwater Pollution and Water Quality Supported by Satellite Data: A Case Study from the Evros River (Eastern Mediterranean). *Pure Appl. Geophys.* <https://doi.org/10.1007/s00024-012-0621-2>.

#### Chapters in BOOKS

1. **Markogianni, V. (2026)**. Satellite Remote Sensing (RS): A Valuable and Efficient Implement for Optically Diverse Greek Lakes' Water Quality (WQ) and Trophic Status Monitoring. In *Lakes of the Eastern Mediterranean and Balkans: Biodiversity, Ecosystem Services, and Conservation Strategies*; Stefanidis, K., Oikonomou, A., Dimitriou, E., Eds.; Springer: Cham, Switzerland, pp. 183–215.
2. Mentzafou, A., **Markogianni, V.**, Papadopoulos, A., Pavlidou, A., Tziavos, C., Dimitriou, E. (2020). The Impacts of Anthropogenic and Climatic Factors on the Interaction of Spercheios River and Maliakos Gulf, the Aegean Sea. In: Anagnostou, C.L., Kostianoy, A.G., Mariolagos, I.D., Panayotidis, P., Soilemezidou, M., Tsaltas, G. (eds) *The Aegean Sea Environment. The Handbook of Environmental Chemistry*, vol 142. Springer, Cham. [https://doi.org/10.1007/698\\_2020\\_646](https://doi.org/10.1007/698_2020_646)

#### CONFERENCES (TALKS)

1. Alamanos, A.; Papaioannou, G.; **Markogianni, V.**; Plataniotis, A.; Varlas, G. The Impacts of a Forest Wildfire on Flooding and Economic Damages. In *Proceedings of the 4th International Electronic Conference on Forests*, Online, 23–25 September 2024; MDPI: Basel, Switzerland, 2024. Available online: <https://sciforum.net/paper/view/18404>.
2. Papaioannou, G.; **Markogianni, V.**; Loukas, A.; Dimitriou, E. Flood modelling and mapping based on a spatial distributed roughness coefficient estimation framework. *7th IAHR Europe Congress, September, Athens, Greece, 7th – 9th, 2022*.
3. **V. Markogianni**, M. Stouboudi and E. Dimitriou. Study of the spatiotemporal changes in water quality of a mountainous Mediterranean stream. *14th Conference of the Hellenic Hydrotechnical Association*. Volos, Greece, 16-17 May 2019.
4. Anastasia Priovolou, **Vassiliki Markogianni**, Dimitrios Stateras, Dionissios Kalivas. Methodology development for the generation of the updated LUCAS 2015 land cover hybrid map of Greece and conventional comparisons with large scale LC products. *11th International Conference of the Hellenic Geographical Society*. Lavrion Technological and Cultural Park (LTCP) Lavrion, Greece. 11-15 April, 2018.
5. **V. Markogianni**, D. Kalivas, G. Petropoulos and E. Dimitriou. Analysis on the Feasibility of Landsat 8 Imagery for Water Quality Parameters Assessment in an Oligotrophic Mediterranean Lake. *CGRS 2017: 19th International Conference on Geoscience and Remote Sensing*, Rome, Italy September 18 - 19, 2017.
6. **Markogianni V.**, Generali K. and Dimitriou E. Spatiotemporal river water physicochemical profile and pollution hazard mapping in the wider area of Spercheios River catchment (Central Greece). *15th International Conference on Environmental Science and Technology* Rhodes, Greece, 31 August - 2 September 2017.
7. **Markogianni, V.**, Mentzafou, A., Kavvadas, S., Oikonomou, A., Zogaris, S., Konidis, A., Dimitriou, E. (2016). Development of integrated river basin and associated coastal zone management system. In *16th Hellenic Conference of Ichthyologists* (pp. 521–523). Kavala. (in Greek)
8. **Markogianni, V.**, Kavvadas, S., Siapatis, A., Zachioti, P., Akepsimaidis, K., Mentzafou, A., Dimitriou, E. Monitoring of the water quality and the interaction of the integral system of Sperchios River and Maliakos Gulf. *11th Panhellenic Symposium on Oceanography and Fisheries*, Mytilene, Lesvos island, Greece 14-17 May 2015.
9. **V. Markogianni** and E. Dimitriou. Landuse and NDVI change analysis of Sperchios river basin (Greece) with different spatial resolution sensor data by Landsat/MSS/ TM and OLI. *Book of Abstracts of the Fifth International Conference on Environmental Management, Engineering, Planning & Economics* ISBN: 978-960-6865-86-2, Mykonos island, Greece, June 14-18, 2015.
10. Mentzafou Aggeliki, **Markogianni Vasiliki**, Dimitriou Elias. Flood risk mapping and assessment in a transboundary river by using satellite data and GIS techniques. *22nd Cartographic School Geoinformatics and Atmospheric Science*, 6-9 May 2014, Poland.
11. Gritzalis K., Katsogiannou I., Karaouzas I., Anastasopoulou E., **Markogianni V.**, Georgiopoulos N. Fluctuation of macroinvertebrate fauna in lotic and lentic zones in Sianitis river (Rhodes island, Greece). *TÖRÖ K L. (ed.)*, 2014: *Deltas and Wetlands (Book of abstracts)*, vol. 2, 48 p. Tulcea, ISSN 2344-3766 Danube Delta Tehnological Information Center Publishing House, Tulcea, Romania.

12. **V. Markogianni**, E. Dimitriou and M. Tzortziou. Monitoring of chlorophyll-*a* and turbidity in Evros River (Greece) using Landsat imagery, /Proc. SPIE/ 8795, *First International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2013)*, doi:10.1117/12.2027047.
13. E. Dimitriou, **V. Markogianni**, A. Mentzafou, I. Karaouzas and S. Zogaris: Ecological status assessment of Pikrodafni stream (Attica, Greece), restoration and management measures. *4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference*, ISBN: 978-960-6865-67-1, Mykonos island, Greece, June 24-28, 2013.
14. **V. Markogianni**, E. Dimitriou, M. Tzortziou: Monitoring of chlorophyll-*a* in Evros river (Greece) using Landsat 5 imagery. *Protection and restoration of the environment XI*, 3-6 July 2012, Thessaloniki Greece.
15. **Markogianni V.**, Dimitriou E., Konstantinopoulou A., Asimakopoulou G. Algorithm development for monitoring chlorophyll-*a* distribution in lake Koumoundourou determined from remote sensing data, *10o Hellenic Symposium of Oceanography and Fishery*, 7-11 May 2012, Evgenidis Institution, Athens Greece.

## CONFERENCES (POSTERS)

1. **Vassiliki Markogianni**, Angeliki Mentzafou, Androniki Tourlouki, Elias Dimitriou. Preliminary assessment of hydrological processes & water quality status in Prespa National Park. River Restoration Centre 25th Annual Network Conference, 24th – 26th April 2024 Venue Cymru, Llandudno, North Wales.
2. George Varlas, George Papaioannou, Anastasios Papadopoulos, **Vassiliki Markogianni**, Leonidas Vardakas and Elias Dimitriou. Flash flood forecasting using integrated meteorological-hydrological-hydraulic modeling: application in a Mediterranean river. 16<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics, 25-29 September 2023, Conference Center of the University of West Attica, Athens, Greece.
3. G. Papaioannou, G. Varlas, A. Papadopoulos, V. Markogianni, L. Vardakas, E. Dimitriou. Sequential meteorological-hydrological-hydraulic modeling as a flash flood forecasting tool: The January 2023 flooding incident in Evrotas river. *12th World Congress on Water Resources and Environment (EWRA 2023) "Managing Water-Energy-Land-Food under Climatic, Environmental and Social Instability"* Thessaloniki, Greece, 27 June - 1 July 2023.
4. **Markogianni, V.**; Papaioannou, G.; Loukas, A.; Dimitriou, E. Semi-Automatic extraction of stream bed grain-size classes based on UAS derived data. *AGU Fall Meeting 2021, New Orleans, LA and Online Everywhere*, 13-17 December 2021.
5. Papadopoulos A., Varlas G., Papaioannou G., Mentzafou A., Terti G., **Markogianni V.**, Panagopoulos Y., Spyrou C., Katsafados P., Loukas A. and Dimitriou E. An integrated hydrometeorological-hydraulic modelling system for investigating flooding. *15<sup>th</sup> International Conference on Meteorology, Climatology and Atmospheric Physics*, COMECAP 2021, 26<sup>th</sup>- 29<sup>th</sup> September, Ioannina, Greece.
6. **V. Markogianni**, Elias Dimitriou. Retrieval of chlorophyll-*a* values in Trichonida Lake (Greece), from Landsat 8 imagery. *Mapping Water Bodies from Space - MWBS 2015 Conference*, 18-19 March 2015, ESA – ESRIN (Frascati - Italy).
7. **V. Markogianni**, A. Mentzafou, E. Dimitriou. Ecological effect of long-term land use changes and other pressures on a peri-urban wetland. *The Mediterranean city, Adaptation Strategies to Global Environmental Change in the Mediterranean City and the Role of Global Earth Observation*, 10-11 June 2014, Athens, Greece.
8. **Vassiliki Markogianni**, Elli Tzirkalli, Salih Gücel, Elias Dimitriou, Stamatis Zogaris. Remote sensing application for identifying wetland sites on Cyprus: Problems and prospects. *Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014)*, 7-10 April 2014, Paphos, Cyprus.
9. Elias Dimitriou, **Vassiliki Markogianni**, Xiaoxi Yu. The effects of Yucca shidigera extract on the reduction of ammonia concentration in Lake Koumoundourou. *Geophysical Research Abstracts Vol. 15, EGU2013-3095, 2013, European Geosciences Union, General Assembly 2013*, 07-12 April 2013, Vienna Austria.
10. K. C. Gritzalis, E. Anastasopoulou, **V. Markogianni**, N. Georgiopoulos: Assessing tools and methods for water quality monitoring in medium sized rivers. The case of Arcadikos River (Messinia, Greece). *4th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE) and SECOTOX Conference*, ISBN: 978-960-6865-67-1, Mykonos island, Greece, June 24-28, 2013.
11. Mentzafou A., Dimitriou E. and **Markogianni V.** Flood hazard assessment based on a GIS based methodology, *Geophysical Research Abstracts*, Vol. 14, *EGU2012-738*, 2012, *European Geosciences Union General Assembly 2012*, 22-27 April 2012, Vienna Austria.

**CITATIONS IN  
REFERRED  
JOURNALS, BOOKS  
AND CONFERENCES**

The publications of Vassiliki Markogianni have 546 (h-index 14) and 343 (h-index 11) citations based on Google Scholar and Scopus databases (February 2026), respectively, in Referred Journals, Books, Conferences and Technical reports.

**TEACHING  
EXPERIENCE**

**Winter semester October-December 2015**

**Computer lab:** Applications of Geographical Information Systems (GIS) in the Environment  
Agricultural University of Athens (AUA)  
Department of Natural Resources Management and Agricultural Engineering

**REFERENCES**

**Elias Dimitriou**, Dr., Research Director, IMBRIW/HCMR, [elias@hcmr.gr](mailto:elias@hcmr.gr)  
**Dionissios Kalivas**, Dr., Professor, Department of Natural Resources Management and Agricultural Engineering, Agricultural University of Athens, AUA, [kalivas@aua.gr](mailto:kalivas@aua.gr)