1 CURRICULUM VITAE

PERSONAL INFORMATION	
SURNAME	SPILIOTIS
NAME	MIKE
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TEL.	+306951125783, +302541079613

CURRENT POSITION(S)

14/12/2022 -	**Associate Professor** School of Engineering/Department of Civil Engineering, Democritus University of Thrace, Greece

PREVIOUS POSITION(S)

Please add previous research position(s)/experience starting with the most recent.

07/2017 - 14/12/2022	**Assistant Professor.** School of Engineering/Department of Civil Engineering, Democritus University of Thrace,Greece
07.2014 - 07.2017	**Lecturer** School of Engineering/Department of Civil Engineering, Democritus University of Thrace, Greece
03/2014 – 07/2014	**Lab assistant** School of Pedagogical and Technological Education, Greece
10/2010 – 06/2011	**Research fellow** Technological Educational Institute of Piraeus, Greece

10/2008 – 06/2009	**Adjacent Lecturer (P.D. 407/80)** School of Environmental Engineering, Technical University of Crete, Greece

EDUCATION

Please add separate sections for each degree starting with the most recent.

01.2012-12.2013	School of Rural and Surveying Engineering, National and Technical University of Athens (NTUA) with the cooperation of Technical University of Madrid (UPM), Greece, Adaptive Water Resources Management in an uncertain Environment, Postdoctoral Researcher
11.2002 - 12.2007	School of Rural and Surveying Engineering, National and Technical University of Athens, Greece, Fuzzy systemic theory applied on the strategic water resources management, Doctor's Degree
10.2000-06.2002	School of Civil Engineering, National University of Athens, Greece, Science and Technology of Water Resources, Master's Degree
09.1993 - 03.2000	School of Engineering/Department of Civil Engineering, Democritus University of Thrace, Greece, Bachelor's Degree

PUBLICATIONS

Please add the most important publications and highlight those related to the subject of the proposed research project (if any).

- Tsakiris G. and Spiliotis M., 2004. Fuzzy linear programming for problems of water allocation under uncertainty. *European Water,* 7/8: 25-37.
- Tsakiris G. and Spiliotis M., 2006. Cropping pattern planning under water supply from multiple
- sources. Irrigation and Drainage Systems (Springer), 20(1): 57-68.
- Tsakiris G., Tigkas D. and Spiliotis M., 2006. Assessment of interconnection between two adjacent watersheds using deterministic and fuzzy approaches. *European Water* 15/ 16: 15-22.
- Spiliotis M. and Tsakiris G., 2007. Minimum Cost Irrigation Network Design Using Interactive Fuzzy Integer Programming. J. Irrig. and Drain. Eng., American Society of Civil Engineers (ASCE), 133: 242-248.
- Tsakiris G., Spiliotis M., Paritsis S. and Alexakis D, 2009. Assessing the Water Potential of Karstic Saline Springs by applying a fuzzy approach: The case of Almyros (Heraklion – Crete). *Desalination (Elsevier),* 237: 54-64.
- Tsakiris G. and Spiliotis M., 2011. Planning Against Long Term Water Scarcity: A Fuzzy Multicriteria
- Approach. Water Resources Management (Springer), 25(4): 1103-1129.
- Tsakiris G., Spiliotis M. and Vangelis X., 2011. Drought Severity Assessment Based on Bivariate Probability Analysis. Water Resources Management (Springer), 25(1): 357-371.
- Spiliotis M. and Tsakiris G., 2011: Water distribution system analysis: The Newton – Raphson method revisited*. Journal of Hydraulic Engineering, American Society of Civil Engineers* (ASCE), 197(8): 852-855.
- Gotsis D., Spiliotis M., and Giakoumakis Sp., 2012. Reuse of Drainage Water in Irrigation with the aid of 0-1 Linear Programming. *Irrigation and drainage systems,* 25(4): 385-394.
- Spiliotis M. and Tsakiris G., 2012. Water Distribution Network Design under Variable Water Demand. *Civil Engineering and Environmental Systems (Taylor and Francis)*, 29(2): 107-122.
- Spiliotis M. and Tsakiris G., 2012. Closure on "Water distribution system analysis: The Newton – Raphson method revisited*». Journal of Hydraulic Engineering, American Society of Civil Engineers* (ASCE), 138(9): 824-826
- Tsakiris G. and Spiliotis M., 2012. Applying resilience Indices for Assessing the Reliability of Water distribution networks. *Water Utility,* 3:19-27.

- Yannopoulos St. and Spiliotis M., 2013. Water distribution system reliability based on minimum cut-set approach and the hydraulic reliability. *Water Resources Management,* 27(6):1821-1836.
- Tsakiris G. and Spiliotis M., 2013. Dam- Breach Hydrograph Modelling: An Innovative Semi-Analytical Approach. *Water Resources Management,* 27(6): 1751-1762.
- Spiliotis M. and Tsakiris G., 2013. Closure (new) on "Water distribution system analysis: The Newton – Raphson method revisited». *Journal of Hydraulic Engineering, American Society of Civil Engineers (ASCE),* 139(8): 918-919.
- Tsakiris G. and Spiliotis M., 2014. Embankment dam break: Uncertainty of outflow based on fuzzy representation of breach formation parameters. *Journal of Intelligent and Fuzzy Systems,* 27(5): 2365-2378.
- Tsakiris G. and Spiliotis M., 2014. A Newton–Raphson analysis of urban water systems based on nodal head-driven outflow. *European Journal of Environmental and Civil Engineering (Taylor & Francis),* 18(8): 882-896.
- Spiliotis M., 2014. A Particle Swarm Optimization (PSO) heuristic for water distribution system analysis. *Water Utility Journal,* 8: 47-56.
- Spiliotis M., Martín-Carrasco F. and Garrote L., 2015. A Fuzzy Multicriteria Categorization of Water Scarcity in Complex Water Resources Systems. Water Resources Management, 29(2): 521-539.
- Tsakiris G., Spiliotis M., Vangelis H. and Tsakiris P., 2015. Evaluation of measures for combating water shortage based on beneficial and constraining criteria. Water Resources Management, 29(2): 505-520.
- Spiliotis M., L Garrote L. and Chavez-Jimenez A., 2015. Reorganization of water demand under changing conditions with possibilistic programming. Journal of Hydroinformatics, 17(2): 239-259 (doi:10.2166/hydro.2014.008).
- Spiliotis M., Mediero L. and Garrote L., 2016. Optimization of Hedging Rules for Reservoir Operation During Droughts Based on Particle Swarm Optimization. Water Resources Management, 30: 5759-5778.
- Kitsikoudis V., Spiliotis M. and Hrissanthou V., 2016. Fuzzy regression analysis for sediment incipient motion under turbulent flow conditions. *Environmental Processes*, 3: 663-679.
- Spiliotis M. and Bellos C., 2015. Flooding risk assessment in mountain rivers. *European Water*, 51: 33-49.
- Tsakiris G. and Spiliotis M., 2016. Uncertainty in the Analysis of Water Conveyance Systems. *Procedia Engineering*, 162: 340-348.
- Tsakiris G. and Spiliotis M., 2017. Uncertainty in the analysis of urban water supply and distribution systems. *Journal of Hydroinformatics,* 19(6): 823-837
- Spiliotis M. and Garrote L., 2017. Estimation of the Muskingum routing coefficients by using fuzzy regression. *European Water*, 57: 133-140
- Spiliotis M., Kitsikoudis V. and Hrissanthou V., 2017. Assessment of bedload transport in gravel-bed rivers with a new fuzzy adaptive regression. *European Water,* 57: 237-244.
- Spiliotis M. and Tsakiris G., 2017. Uncertainty in the design of water distribution systems. *European Water*, 58: 449-456.
- Kazakis N., Spiliotis M., Voudouris K., Pliakas F.K. and Papadopoulos B., 2018. A fuzzy multicriteria categorization of the GALDIT method to assess seawater intrusion vulnerability of coastal aquifers. *Sci Total Environ*, 593-594: 552-566.
- Spiliotis M., Kitsikoudis V., Kirca O. and Hrissanthou V., 2018. Fuzzy threshold for the initiation of sediment motion. *Applied Soft Computing,* 72: 312-320.
- Spiliotis M. and Papadopoulos B.K., 2018. A hybrid fuzzy probabilistic assessment of the extreme hydrological events. AIP Conference Proceedings 1978,290011.
- Spiliotis M., Papadopoulos Ch., Angelidis P. and Papadopoulos B., 2018. Hybrid Fuzzy—Probabilistic Analysis and Classification of the Hydrological Drought. Proceedings 2018, 2(11), 643; https://doi.org/10.3390/proceedings2110643.
- Spiliotis M. and Skoulikaris Ch., 2018. A Hybrid Multicriteria 0/1 Programming Methodology for Prioritizing the Measures of River Basin Management Plans Proceedings 2: 624; https://doi.org/10.3390/proceedings2110624.

- Spiliotis M., Angelidis P. and Papadopoulos B., 2020. A hybrid probabilistic bi-sector fuzzy regression based methodology for normal distributed hydrological variable. Evolving Systems, 11: 255-268 doi.org/10.1007/s1253 (accepted in 2019).
- Spiliotis M. and Skoulikaris Ch., 2019. A fuzzy AHP-outranking framework for selecting measures of river basin management plans. Desalination and water treatment, 167: 398–411.
- Papadopoulos Ch., Spiliotis M., Angelidis P. and Papadopoulos B., 2019. A hybrid fuzzy frequency factor based methodology for analyzing the hydrological drought. Desalination and water treatment, 167: 385–397.
- Kaffas K., Saridakis M., Spiliotis M., Hrissanthou V. and Righetti M., 2020. Fuzzy Transformation of the Classic Stream Sediment Transport Formula of Yang. Water, 12: 257.
- Spiliotis M., Iglesias A. and Garrote L., 2021. A multicriteria fuzzy pattern recognition approach for assessing the vulnerability to drought: Mediterranean region. Evolving Systems 12, 109-122. https://doi.org/10.1007/s12530-020-09332-7).
- Spiliotis M., Panagiotou L., Kagalou I. and Latinopoulos D., 2020. A Fuzzified Multicriteria Outranking Method for Water Framework Directive Implementation in a heavily modified urban lake (Pamvotis, Greece). Water Resources Management Water 34, 4491–4510.
- Spiliotis M., Papadopoulos Ch., Angelidis P. and Papadopoulos B., 2020. Classifying hydrological drought through fuzzy sets. European water 71/72: 41-61.
- Saridakis M., Spiliotis M. and Hrissanthou V., 2020. Assessment of Bedload in Sand – Gravel Bed Rivers by Using Nonlinear Fuzzy Regression. *European water* 69/70: 15-22.
- Latinopoulos, D.; Spiliotis, M.; Ntislidou, C.; Kagalou, I.; Bobori, D.; Tsiaoussi, V.; Lazaridou, M., 2021. "One Out–All Out" Principle in the Water Framework Directive 2000—A New Approach with Fuzzy Method on an Example of Greek Lakes. *Water* 13, 1776.
- Spiliotis, M., Garrote, L., 2021. Unit hydrograph identification based on fuzzy regression analysis. *Evolving Systems* 12, 701–722. https://doi.org/10.1007/s12530-021-09380-7
- Spiliotis, M.; Sordo-Ward, A.; Garrote, L., 2021. Estimation of Fuzzy Parameters in the Linear Muskingum Model with the Aid of Particle Swarm Optimization. *Sustainability* 13, 7152.
- Papadopoulos, C., Spiliotis, M., Gkiougkis, I., Pliakas, F., Papadopoulos, B. 2021. Relating Hydro-Meteorological Variables to Water Table in an Unconfined Aquifer via Fuzzy Linear Regression. *Environments* 2021, 8, 9. https://doi.org/10.3390/environments8020009.
- Papadopoulos, C., Spiliotis, M.,Pliakas, F.; Gkiougkis, I., Kazakis, N., Papadopoulos, B. 2022. Hybrid Fuzzy Multi-Criteria Analysis for Selecting Discrete Preferable Groundwater Recharge Sites. Water 2022, 14, 107. https://doi.org/10.3390/w14010107.
- Spiliotis, M., Latinopoulos, D., Vasiliades, L., Rafailidis, K., Koutsokera, E., Kagalou, I., 2022. Flexible Goal Programming for Supporting Lake Karla's (Greece) Sustainable Operation. Sustainability 14, 4311. https://doi.org/10.3390/su14074311.
- Latinopoulos, D., Bakas, T., Kagalou, I., Spiliotis, M. 2022. Threat Prioritization and Causality Relations for Sustainable Water Management under the Circular Economy Principles: Case Study in Laspias River, Greece Using eDPSIR and DEMATEL. Environ. Sci. Proc. 2022, 21, 59. https://doi.org/10.3390/environsciproc2022021059.
- Garrote, L., Granados, A., Spiliotis, M. et al. 2023. Effectiveness of Adaptive Operating Rules for Reservoirs. Water Resour Manage 37, 2527–2542 https://doi.org/10.1007/s11269-022-03386-9
- Spiliotis, M.; Garrote, L., 2023. Applying a Flexible Fuzzy Adaptive Regression to Runoff Estimation. Environ. Sci. Proc. 2023, 25, 85. https://doi.org/10.3390/ECWS-7-14308.
- Karasani, M.; Latinopoulos, D.; Ioannidou, N.; Spiliotis, M.; Kagalou, I., 2023. Bridging the Gap between Science and Policy: A Prerequisite for Effective Water Governance. Environ. Sci. Proc. 2023, 25, 12. https://doi.org/10.3390/ECWS-7-14241.
- Bakas, T.; Papadopoulos, C.; Latinopoulos, D.; Kagalou, I.; Akratos, C.; Angelidis, P.; Pliakas, F.-K.; Spiliotis, M. Supporting Participatory Management Planning for Catchment Operationalization with Intuitionistic Fuzzy Sets—A Study in Laspias River, Thrace, Greece. *Water* 2023, *15*, 2928. https://doi.org/10.3390/w15162928

- Efraimidou, E., Spiliotis, M. A GIS-Based Flood Risk Assessment Using the Decision-Making Trial and Evaluation Laboratory Approach at a Regional Scale. Environ. Process. 11, 9 (2024). https://doi.org/10.1007/s40710-024-00683-w

CONFERENCES/WORKSHOPS/etc

National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.

- He has submitted and presented more than 50 articles in Scientific Conferences. He has continuously participated in the conferences which are organized by EWRA, IAHR, EWaS etc., mainly in Europe

MEMBERSHIPS & REVIEWING ACTIVITIES *(if applicable)*

2000 –	Member, Technical Chamber of Greece
2002 -	Member, European Water Resources Association (EWRA)
2020 –	Member, Greek Hydrotechnical Union
2014 -	**78 peer review records of 65 manuscripts according to PUBLONS related with 12 international scientific journals.**

TEACHING ACTIVITIES (*if applicable*)

2022 - now	Associate Professor, urban hydraulics (works), Water Resources Management, Open channel flow, Irrigation and drainage systems, Applied hydraulics, Hydroinformatics (graduate courses), Hybrid models (fuzzy and statistical) in Hydraulics (postgraduate courses), Water Resources Management and restoration (postgraduate courses), Democritus University of Thrace, Greece.
2017 – 2022	Assistant Professor, Water Resources Management, Open channel flow, Irrigation and drainage systems, Applied hydraulics, Hydroinformatics (graduate courses), Hybrid models (fuzzy and statistical) in Hydraulics, Time series analysis in Hydrology (postgraduate courses), Democritus University of Thrace, Greece
2019 – 2019	Sabbatical in the Department of Hydraulic and Energy Engineering, Technical University of Madrid.
2014 – 2017	Lecturer, River Engineering, Water Resources Management, Open channel flow, hydrology, Irrigation and drainage systems, Applied hydraulics (graduate courses), Hybrid models (fuzzy and statistical) in Hydraulics, Time series analysis in Hydrology (postgraduate courses), Democritus University of Thrace, Greece.
2014 – 2014	Adjacent Lecturer, Urban Hydraulics and Water Irrigation Network, School of Pedagogical and Technological Education, Greece.
2011 – 2011	Adjacent Lecturer, Technical Hydrology, Aristotle University of Thessaloniki, Greece.
2010 – 2011	Research fellow, Hydraulics, Technological Educational Institute of Piraeus, Greece.
2009 – 2009	Researcher, Assessment of Natural Hazards and Proactive Planning, National Technical University of Athens, Greece.
2002 – 2008	Assistant teaching, undergraduate courses in School of Rural and Surveying Engineering, National Technical University of Athens, Greece.

SUPERVISION OF GRADUATE STUDENTS & POSTODOCTORAL FELLOWS *(if applicable)*

2014 - 2024	1 Postdoctoral fellow/ 1 PhD completed/ 4 PhD candidates/ 6 Master Students Democritus University of Thrace/Greece
31/03/2022 –	*Dr. Christopher Papadopoulos (Postdoctoral fellow). Title of postdoc: «Integrated water resources management at the watershed level using innovative multi-criteria methods». - «Ολοκληρωμένη διαχείριση υδατικών πόρων σε επίπεδο λεκάνης απορροής με τη χρήση καινοτόμων πολυκριτηριακών μεθόδων».*
2017 - 2022	*Title of PhD Thesis: «Fuzzy hybrid models for the analysis and assessment of extreme hydrological phenomena». - «Ασαφή υβριδικά μοντέλα για την ανάλυση και αξιολόγηση ακραίων υδρολογικών φαινομένων».*
16/10/2018 -	*Manthos Saridakis (PhD Candidate). Title of PhD Thesis: «Fuzzy Hybrid Models for the Assessment and Management of Flood Hazard». - «Υβριδικά Ασαφή Μοντέλα για την Αξιολόγηση και Διαχείριση του Πλημμυρικού Κινδύνου».*
17/03/2021 -	*Irini Efraimidou (PhD Candidate). Title of PhD Thesis: «Flood Risk Assessment and Management». - «Εκτίμηση και Διαχείριση Πλημμυρικής Διακινδύνευσης».*
17/02/2022 -	*Evanthia Kritsotaki (PhD Candidate). Title of PhD Thesis: «Holistic multicriteria analysis for the management of water resources in the Messara basin, Heraklion». – «Ολιστική πολύκριτηριακή ανάλυση για τη διαχείριση των υδατικών πόρων της λεκάνης Μεσαράς, Ηρακλείου».*
21/02/2022 -	*Thomas Bakas (PhD Candidate). Title of PhD Thesis: «Prioritization of crisis River Basin Management measures by applying fuzzy logic and developing decision making models in the management of the Laspias and Lissos basins». - «Προτεραιοποίηση μέτρων διαχείρισης στις Λ.Α.Π. κρίσεις εφαρμόζοντας ασαφή λογική και ανάπτυξη μοντέλων λήψης αποφάσεων στην διαχείριση των λεκανών Λασπία και Λίσσου».*
2014 -	*He was a Supervisor Professor to more than 15 Diploma Thesis and he was the supervisor of 8 Master Thesis.*

FELLOWSHIPS and AWARDS *(If applicable)*

2004-2007	Project 68/0715 in the framework of "HRAKLEITOS" programme. PhD Scholarship.
2009 – 2010	Postdoc Scholarship , State Scholarship Foundation, National Technical University of Athens, Greece.
2012 – 2013	Postdoc Scholarship, School of Civil Engineering, National Technical University of Athens, Greece, (in cooperation with Department of Hydraulic and Energy Engineering, Technical; University of Madrid, Spain).
2019	Diploma Thesis of Andeadou I. and Develekou M., 2017 (Ανδρεάδου Ηλ., Δεβελέκου Μ., 2017) entitled "Hydrid methdology for intagrated water resources areas to island areas, West part of Naxos («Υβριδική Μεθοδολογία για την Ολοκληρωμένη Διαχείριση Υδατικών Πόρων σε Νησιωτικές Περιοχές. Περίπτωση μελέτης: Δυτική Νάξος»)" has win the third award in the 14 conference of the Hellenic Hydrotechnical Association (EYE). M. Spiliotis was the supervisor of this excellent Diploma Thesis.

RESEARCH GRANTS *(If applicable)*

Please add indicative research projects (international or national) in which you have participated (in any role).

Project Title	Funding source	Period	Role of the PI
Project 68/0715 in the framework of "HRAKLEITOS" programme	European Social Fund and Greek National Resources	2004-2007	PhD Scholarship
Operational Programme "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) – Research Funding Program: «Supporting Postdoctoral Researchers»	European Union (European Social Fund – ESF) and Greek national funds	2012 - 2013	Postdoc Scholarship
Water Resources Management, research and teaching	Greek Unified Fund of Independent Employees (in Greek: ETAAA-ΤΣΜΕΔΕ)	2014 – to date	Scientific coordinator
Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project "Strengthening Human Resources Research Potential via Doctorate Research" (MIS-5000432)	Greek State Scholarship Foundation (IKY)	17/04/2018-– 2020	Principal supervisor of doctoral thesis
Eye4Water project (MIS 5047246). Completed title: "Strengthening the rational management of water (in R-E.M.Th.) through the development of innovative ICT methodologies and the improvement of research infrastructures".	co-financed by Greece and the European Union—European Regional-Development Fund.	12/2020 – 07/2023	Hydrological meta-analysis, Decision Support System (DSS) & Stakeholders meta-analysis
"Risk and Resilience Assessment Center –Prefecture of East Macedonia and Thrace -Greece." (MIS 5047293) which is implemented under the Action "Reinforcement of the Research and Innovation Infrastructure".	co-financed by Greece and the European Union—European Regional-Development Fund.	12/2020 – 07/2023	Member of the Hydrological Hazard Team. Hydrological and Hydraulic analysis. Analysis of extreme values of hydrological variables based on conventional statistical methods and fuzzy logic

GRANT APPLICATIONS OF RELATED PROJECTS *(if applicable)*

*Please add other Research Proposals/Projects **related to the proposed research project** in which you are involved in any role.*

Project 68/0715 in the framework of "HRAKLEITOS" programme	European Social Fund and Greek National Resources	2004-2007	PhD Scholarship
Operational Programme "Education and Lifelong Learning" of the National Strategic Reference Framework (NSRF) – Research Funding Program: «Supporting Postdoctoral Researchers»	European Union (European Social Fund – ESF) and Greek national funds	2012 - 2013	Postdoc Scholarship
Water Resources Management, research and teaching	Greek Unified Fund of Independent Employees (in Greek: ETAAA-ΤΣΜΕΔΕ)	2014 – to date	Scientific coordinator
Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project "Strengthening Human Resources Research Potential via Doctorate Research" (MIS-5000432)	Greek State Scholarship Foundation (IKY)	17/04/2018—2020	Principal supervisor of doctoral thesis
Eye4Water project (MIS 5047246). Completed title: "Strengthening the rational management of water (in R-E.M.Th.) through the development of innovative ICT methodologies and the improvement of research infrastructures".	Co-financed by Greece and the European Union—European Regional-Development Fund.	03/03/2021-31/07/2023	Hydrological meta-analysis, Decision Support System (DSS) & Stakeholders meta-analysis
"Risk and Resilience Assessment Center –Prefecture of East Macedonia and Thrace -Greece." (MIS 5047293) which is implemented under the Action "Reinforcement of the Research and Innovation Infrastructure".	Co-financed by Greece and the European Union—European Regional-Development Fund.	03/03/2021-31/07/2023	Member of the Hydrological Hazard Team. Hydrological and Hydraulic analysis. Analysis of extreme values of hydrological variables based on conventional statistical methods and fuzzy logic

2 SCIENTIFIC ACHIEVEMENTS

The PI should list his/her activity regarding (if applicable):

1. *Up to ten (10) representative publications, from the last ten (10) years, as main author*
   - *Spiliotis M., Martín-Carrasco F. and Garrote L., 2015. A Fuzzy Multicriteria Categorization of Water Scarcity in Complex Water Resources Systems. Water Resources Management, 29(2): 521-539.*

- *Spiliotis M., L Garrote L. and Chavez-Jimenez A., 2015. Reorganization of water demand under changing conditions with possibilistic programming. Journal of Hydroinformatics, 17(2): 239-259 (doi:10.2166/hydro.2014.008).*
- *Spiliotis M., Mediero L. and Garrote L., 2016. Optimization of Hedging Rules for Reservoir Operation During Droughts Based on Particle Swarm Optimization. Water Resources Management, 30: 5759-5778.*
- *Spiliotis M., Kitsikoudis V., Kirca O. and Hrissanthou V., 2018. Fuzzy threshold for the initiation of sediment motion. Applied Soft Computing, 72: 312-320.*
- *Spiliotis M. and Skoulikaris Ch., 2019. A fuzzy AHP-outranking framework for selecting measures of river basin management plans. Desalination and water treatment, 167: 398–411.*
- *Spiliotis M., Panagiotou L., Kagalou I. and Latinopoulos D., 2020. A Fuzzified Multicriteria Outranking Method for Water Framework Directive Implementation in a heavily modified urban lake (Pamvotis, Greece). Water Resources Management 34, 4491–4510.*
- *Spiliotis M., Iglesias A. and Garrote L., 2021. A multicriteria fuzzy pattern recognition approach for assessing the vulnerability to drought: Mediterranean region. Evolving Systems 12, 109-122. https://doi.org/10.1007/s12530-020-09332-7).*
- *Papadopoulos, C., Spiliotis, M.,Pliakas, F.; Gkiougkis, I., Kazakis, N., Papadopoulos, B. 2022. Hybrid Fuzzy Multi-Criteria Analysis for Selecting Discrete Preferable Groundwater Recharge Sites. Water 2022, 14, 107. https://doi.org/10.3390/w14010107.*
- *Spiliotis, M., Latinopoulos, D., Vasiliades, L., Rafailidis, K., Koutsokera, E., Kagalou, I., 2022. Flexible Goal Programming for Supporting Lake Karla's (Greece) Sustainable Operation. Sustainability 14, 4311. https://doi.org/10.3390/su14074311.*
- *Bakas, T., Papadopoulos, C., Latinopoulos, D., Kagalou, I., Akratos, C., Angelidis, P., Pliakas, F.-K., Spiliotis, M., 2023. Supporting Participatory Management Planning for Catchment Operationalization with Intuitionistic Fuzzy Sets—A Study in Laspias River, Thrace, Greece. Water 15, 2928. https://doi.org/10.3390/w15162928.*

2. *Invited presentations to international conferences and/or advanced schools*
   - *Invited speaker in the 2ND international meet on infrastructure and construction. Inframeet2023 (june 05-07, 2023) (https://www.albedomeetings.com/2023/inframeet)(Virtual Conference).*
3. *Organization of international conferences*
   - *12th World Congress on Water Resources and Environment; Managing Water-Energy-Land-Food under Climatic, Environmental and Social Instability; EWRA, 27 June - 1 July. Thessaloniki, Greece. Participation in the International Scientific Committee.*
   - *11th World Congress on Water Resources and Environment; Managing Water Resources. for a Sustainable Future; EWRA 25-29 June 2019. Madrid, Spain. Participation in the International Scientific Committee.*
   - *5th EWaS (Efficient Water Systems) International Conference on "Water Security and Safety Management: emerging threats or new challenges? Moving from Therapy and Restoration to Prognosis and Prevention", Naples, Italy, from 12th to 15th July, 2022. Participation in the Conference Scientific Committee.*
4. *Major contributions to the early careers of excellent researchers*
   - *The PI has made a significant contribution to the academic and professional advancement of the postdoctoral researcher Christopher Papadopoulos. The PI is the supervisor of Mr. Christopher Papadopoulos' postdoctoral research entitled "Integrated water resources management at catchment level using innovative multi-criteria methods", and included him in his team within the framework of the project Eye4Water. The PI was also the supervisor of the PhD of Mr. Christopher Papadopoulos entitled "Fuzzy hybrid models for the analysis and assessment of extreme hydrological phenomena", of which was granted a scholarship by the Greek State Scholarship Foundation (IKY). The academic background of Mr. Christopher Papadopoulos acquired through his cooperation with the PI contributed to his working for 4.5 years with Hellenic Survey of Geology & Mineral Exploration (H.S.G.M.E.) in the framework of*

the project SAMY II as well as to being among the winners of the Central Staff Selection Authority (ASEP) written competition thus claiming a position of responsibility in the public administration.

- *The PI significantly contributed to the career of PhD candidate Irini Efraimidou. He is the supervisor of her PhD entitled "Flood Risk Assessment and Management" and he was the supervisor of her master's thesis entitled "Flood risk assessment using the DEMATEL method", which was also the trigger to deepen her research at the doctoral level. The acquisition of the master's degree in the specific scientific field contributed to Mrs. Irini obtaining a permanent position in the technical service of the Municipality of Paranesti.*
- *The Associate Professor M. Spiliotis has provided many recommendation letters to previous students (for postgraduate studies and for working to technical companies). He has especially helped his students who complete their diploma thesis where M Spiliotis was the supervisor.*

International Citation:
Citation: h-index is equal to 15 (according to Scopus).
612 total citations by 501 documents, h-index: 15 (Scopus)
According to Google Scholar: 1032 citations, h-index is equal to 17.

International Editorships:
Books
Co-editor in Spiliotis M., Hrissanthou V. 2018. Regression Analysis: Introduction, Applications and Theory; Nova Science Publishers: New York, NY, USA, 2018. (Editing).

Editor
Member of the Editorial Board for selection "Sustainable Water Management" in the journal of Sustainability (MDPI).

Invited Editor
(Invited) editor in the special issue of Sustainability (ISSN 2071-1050). This special issue belongs to the section "Sustainable Water Management": Sustainable Water Resource Management.https://www.mdpi.com/journal/sustainability/special_issues/Sustainable_Water_Resource_Management (**Completed**).

(Invited) editor in European Water. Psilovikos A., Karpouzos D., Georgiou P. and Spiliotis M., 2020. Editorial: Water Resources and Environmental Management. European Water 71/72: 1-2, 2020. (14th Conference of the Hellenic Hydrotechnical Association) (**Completed**).

(Invited) co-editor in the special issue of Sustainability (ISSN 2071-1050). This special issue belongs to the section "Sustainable Water Management": Sustainable Water Resources Technology and Management. Editors: Christos Tzimopoulos, Pantazis Georgiou, Mike Spiliotis, George Papaevangelou. Deadline for manuscript submissions: (**Completed**).

(Invited) co-editor in the special issue of MDPI journals: Research on River Engineering Vlassios Hrissanthou, Dr. Mike Spiliotis, Dr. Konstantinos Kaffas Topic Editors**.** Manuscript submission deadline: 31/01/2024 (**Completed**).