

CURRICULUM VITAE

MARIOS-STATHIS SPILIOTOPOULOS

Physicist – MSc, PhD.

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1 Personal

SURNAME: Spiliotopoulos

FIRST NAME: Marios-Stathis

FATHER'S NAME: George

DATE OF BIRTH: 30/11/1970

PLACE OF BIRTH: Volos, Greece

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2 Education - Activities

B.Sc. Degree: *Physics*, Physics Department, Athens University, Greece (1994). During the studies a thesis was made entitled: *Contribution to the forecast of thunderstorms at Athens Basin*.

M.Sc. Degree: *Physics of Atmospheric Environment (Meteorology)*, Physics Department, Athens University, Greece (1997): Two years postgraduate Diploma. During the studies a master thesis was made entitled: *Contribution to the study of drought in the wide region of Aegean Sea*.

Ph.D. Degree: University of Thessaly, Greece. Doctoral Dissertation entitled: [Water Resources Management in Agricultural Watersheds using Remote Sensing](#). Supervised by Prof. Athanasios Loukas.

Foreign Languages: *English*. Level C1, *Spanish*, Basic Knowledge

Special training – Participation in Research Activities:

1. COST Training School Support COST 718 “Meteorological Applications for Agriculture”, University of Thessaly, 4-8 July 2005, Volos, Greece.

2. COST Training School Support, COST 719 “Application of GIS in Meteorology and Climatology”, Institute of Biometeorology/National Research Council, 26-30 September 2005, Florence, Italy.
3. COST 725 (Establishing a European Phenological Data Platform for Climatological Applications) 5th Management Committee Meeting and Working Groups meetings in Dublin, Ireland, 27th to 28th April 2006.
4. ERASMUS Staff Training. University of Limerick International Week: 23 to 27 April 2012, Limerick, Ireland.
5. COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT): Working Subgroup on Remote Sensing meeting in Elvas, Portugal 20-21/3/2013.
6. ERASMUS Staff Training. University College Dublin: 22 to 26 July 2013, Dublin, Ireland.
7. COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT) Management Committee Meeting and Working Groups meetings in Universitat Autònoma de Barcelona, Spain, 19 to 28 November 2013.
8. Short Term Scientific Mission: “Computation of Evapotranspiration using Remote Sensing techniques in Ireland”. COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT). 24/3/2014 – 19/4/2014. University College Dublin (UCD), Ireland. Host Prof. Nick Holden.
9. COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT). Joint WGs and MC meeting, Triq Kordin, Paola Pla 9032, Malta, 12-13 September 2014.
10. COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATER use and trade under climate change (EURO-AGRIWAT) Management Committee Meeting and Working Groups meetings in Eawag Aquatic Research, Zurich. 12-13 March 2015, Zurich, Switzerland.
11. International Staff Training Week for International Relations Staff 2015: “Involving and Supporting Staff and Teachers in Internationalisation” Oulu University of Applied Sciences. 18/5/2015-22/5/2015, Oulu, Finland.
12. “An integrated system development for monitoring and managing the quantity and quality of water resources in agricultural water basins under climate change conditions. Application in Karla watershed – ΥΔΡΟΜΕΝΤΩΡ – In Greek”, General Secretariat of Research and Technology (G.S.R.T.) – Greece. Scientific Coordinator, N. Mylopoulos. Budget: 500,000 € **(2010-2013)**.
13. “Sustainable Use of Irrigation Water in the Mediterranean Region (SIRRIMED)” – FP7-KBBE-2009-3 – Proposal Reference Number: FP7-245159. Scientific Coordinator: Dr. Juan José Alarcón. Budget: 4,050,000 € **(2010-2014)**.
14. “MAthematical Modeling of Microcystis aeruginosa as a KEy-player in Lakes under Reconstruction (LAKEREMAKE)”. General Secretariat of Research and Technology (G.S.R.T.) – Greece. Scientific Coordinator: Dr. Ch. Laspidou, Budget 200,000 € **(2014-2015)**.
15. Tutor: Training School, COST Action ES1106: «Agrifood production and water management under changing climate», Malta College of Arts, Science & Technology (CAST), Triq Kordin, Malta, 2015-09-07 - 2015-09-11.

16. Applied Remote Sensing Training (ARSET) by National Aeronautics and Space Administration (NASA): «Applications of Remote Sensing for Soil Moisture and Evapotranspiration». September 1-29, 2016 (Certificate of Completion).
17. Marie Curie Secondment, Water4Cities project. Ljubljana, Slovenia (10 July-31 August 2017).
18. SUPROMED “Sustainable Production in water limited environments of Mediterranean agro-ecosystem”. R&I project co-funded under the PRIMA 2018 programme section I. Scientific Coordinator: Dr. N.R. Dalezios, Budget: 270,000 € (2019-2022).
19. HUBIS “Open innovation Hub for Irrigation Systems in Mediterranean agriculture”. PRIMA SECTION 2 (2021-2024).
20. EXTREMES Operational Early Warning System of Environmental Hazards in Vulnerable Greek Agriculture – EXTREMES ” (Greek: ΓΕΝΙΚΩΝ ΑΕΡΟΠΟΡΙΚΩΝ ΕΦΑΡΜΟΓΩΝ Α.Ε. (2021-2024).
21. CA20108 FAIRNESS WG1-WG2 meeting, Dublin City University, Ireland, May 14-15 2024.
22. CA20108 FAIRNESS Workshop, Barcelona, Spain, 5th – 6th September 2024 “Exploitation of Mapping, Modelling, and Micrometeorological Data Based Applications”
23. CA20108 FAIRNESS Workshop, University of East Sarajevo, Vuka Karadžića 30, 71126 Lukavica, Sarajevo, Bosnia & Herzegovina , 8th – 9th April 2025 “Exploitation of Mapping, Modelling, and Micrometeorological Data Based Applications”, Hybrid Meeting (Workshop/Conference, Management Committee, Management Committee). University of East Sarajevo, Vuka Karadžića 30, 71126 Lukavica, Sarajevo, Bosnia & Herzegovina.

Military Services: 1998, June - 1999, December (Service is obligatory according to Greek Law).

Past Professional Activities:

- Scientific - Research Associate at the Laboratory of Agrometeorology, School of Agriculture, University of Thessaly, Greece (2001-2007), <http://www.uth.gr/> .
- Scientific - Research Associate at Centre for Research and Technology-Hellas: Thermi, Thessaloniki, GR (2010-2014), <https://ibo.certh.gr/>.

Present Position:

Laboratory Teaching Staff - Department of Civil Engineering, University of Thessaly, Greece (2015 -). Scientific - Research Associate at the Laboratory of Hydrology and Aquatic Systems Analysis, University of Thessaly.

Conference preparations and committees:

Participation in:

- 1 Management Committee participation of COST Action 725: *Establishing a European Phenological Data Platform for Climatological Applications*.
- 2 Member of the local organizing committee of the *International Symposium in GIS and Remote Sensing: Environmental Applications*, University of Thessaly, 7-9 November 2003, Volos Greece.
- 3 Organizing and scientific committee of the event: *Agrometeorology for the FARMER*, Friday 20 May 2005, School of Medicine, Larissa, Greece. Organized by Laboratory of Agrometeorology, University of Thessaly, Greece (In Greek).
- 4 Member of the local organizing committee of the International Conference on: *Information Systems in Sustainable Agriculture, Agroenvironment & Food Technology*, 20-23 September 2006, University of Thessaly, Volos, Greece.
- 5 Local Organizing committee of the *ESF (European Science Foundation) Exploratory Workshop: PHENOLOGY AND AGROCLIMATOLOGY*, 20-23 September 2006, Volos, Greece).
- 6 Management Committee Substitute of COST ES1106 (ESSEM COST Action ES1106: Assessment of EUROpean AGRiculture WATer use and trade under climate change (EURO-AGRIWAT).

Scientific Societies

1. Hellenic Physical Society
2. Hellenic Meteorological Society
3. International Society for Agricultural Meteorology

3 Academic activities- Teaching

3.1 Current activities – Main Teaching

a) University of Thessaly - Department of Civil Engineering (Academic Years 2015/16 till now):

Undergraduate program:

1. Physics I (1st Semester)
2. Physics II (2nd Semester)
3. Information Technology and Computers (1st Semester)
4. Probability and Statistics (2nd Semester)
5. Spatial Analysis Techniques and Remote Sensing Applications in Civil Engineering (9th Semester)
6. Management of Extreme Hydrological Phenomena (9th Semester)
7. Land Reclamation Projects (10th Semester)

8. Supervision of Master and Diploma Theses

Graduate programs:

- I. Master in Prevention, management and remediation of the effects of natural disasters and climate change on the built environment:

9. Meteorology-Hydrometeorology, Meteorological Hazards and Environmental Changes
10. Management and Forecasting of Hydrometeorological Hazards

II. Master in Sustainable Management of Environmental Change and Cyclical Economy:

11. Geospatial Technologies in Environmental Management

b) Perrotis College / American Farm School (PERROTIS COLLEGE)- Thessaloniki, Greece.

III. Master Degree: "Sustainable Agro-Environmental Systems Management": Course: "Climate Change and Agrometeorology". (B' Semester) 2020-2021.

c) Aristotle University of Thessaloniki

1. Master Degree: "Water Resources": Course: "Applications of Geoinformatics on Water Resources Management Issues". (B' Semester) 2018-2021. (Co-Teaching)

3.2 Past activities (Teaching assistant)

A) University of Athens - Physics Department:

1. Laboratory of Basic Physics (Thermodynamics) (1996-1997).

B) University of Thessaly – Department of Management of Rural Environment and Natural Resources:

1. Meteorology-Climatology (2001-2002).
2. Agrometeorology (2002-2003).
3. Atmospheric Pollution (2002-2003),
4. Agriculture Production Systems (2002-2003),
5. Biomass for Energy Production (2002-2003)
6. Energy saving to the agricultural environment (2002-2003).
7. Environmental Remote Sensing (2002-2003, 2003-2004).

C) University of Thessaly – Greek-French program of postgraduate studies "Management of Hydrometeorological Hazards – Hydrohasards":

1. GIS and Remote Sensing Applications in Hydrohazards Analysis - Laboratory Work (2010-2011, 2011-2012).
2. Storms – Teaching Assistant (2010-2011, 2011-2012).

D) University of Thessaly - Department of Civil Engineering (Academic Year 2015/16):

1. Ordinary Differential Equations (3rd Semester)

4 Other Activities:

- a) Collaboration with National Observatory of Athens: Supervision of Magnesia Meteorological Stations.
- b) Semi-professional music employment. Playing with national and international blues performers (Michael Dotson, Louisiana Red etc).

5 Publications:

5.1 Theses

1. Chrysoulakis, N., and **Spiliotopoulos, M.** (1993): Contribution to the forecast of thunderstorms at Athens Basin, B.Sc. Thesis, Department of Applied Physics, National and Kapodistrian University of Athens.
2. **Spiliotopoulos, M.**, (1997): Contribution to the study of drought in the wide region of Aegean Sea, M.Sc. Thesis, Department of Applied Physics, National and Kapodistrian University of Athens.
3. **Spiliotopoulos, M.**, (2014): Water Resources Management in Agricultural Watersheds using Remote Sensing. Doctoral Dissertation, University of Thessaly, Volos, Greece.

5.2 Refereed Journals

1. Domenikiotis, C., **Spiliotopoulos, M.**, Tsiros, E., and Dalezios, N.R., 2004. Early Cotton Yield Assessment by the use of the NOAA/AVHRR derived drought vegetation condition index in Greece, International Journal of Remote Sensing, Vol.25, Number 14, pp 2807 - 2819.
2. Domenikiotis, C., **Spiliotopoulos, M.**, Tsiros, E., and Dalezios, N.R., 2004. Early cotton production assessment in Greece based on the combination of the drought vegetation condition index (VCI) and Bhalme and Mooley drought index (BMDI), International Journal of Remote Sensing, Vol 25, pp 5373–5388.

3. Domenikiotis, **Spiliotopoulos, M.**, Tsiros, E., and Dalezios, N.R., 2005. Remotely sensed estimation of annual cotton production under different environmental conditions in Central Greece, *Physics and Chemistry of the Earth*, Vol. 30, Issues 1-3, pp. 45-52.
4. Marinaki, A., **Spiliotopoulos, M.**, and Michalopoulou, H., 2006. Evaluation of atmospheric instability indices in Greece, *Advances in Geosciences*, Vol. 7, pp 131 – 135.
5. Laspidou, C.S., Liakopoulos, A., **Spiliotopoulos, M.G.**, 2012. A 2D cellular automaton biofilm detachment algorithm Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 7495 LNCS , pp. 415-424.
6. Kopasakis, K., Laspidou, C., **Spiliotopoulos, M.**, Kofinas, D., & Mellios, N., 2016. Numerical Investigation of Wind Driven Circulation and Horizontal Dispersion in the Surface Layer of a Re-flooded Shallow Lake. *Environmental Processes*. Volume 3, Issue 3, pp 693–710, doi:10.1007/s40710-016-0165-z.
7. J. Tzabiras, **M. Spiliotopoulos** and A. Loukas, 2017. Estimation of crop water requirements using remote sensing for operational water resources management *European Water* 59: 409-416, 2017.
8. **Spiliotopoulos, M.**; Holden, N.M.; Loukas, A., 2017. Mapping Evapotranspiration Coefficients in a Temperate Maritime Climate Using the METRIC Model and Landsat TM. *Water* 2017, 9, 23.
9. **Spiliotopoulos, M.**; Loukas, A. Hybrid Methodology for the Estimation of Crop Coefficients Based on Satellite Imagery and Ground-Based Measurements. *Water* 2019, 11, 1364.
10. Dalezios, N.R., A. Blanta, A. Loukas, **M. Spiliotopoulos**, I. N. Faraslis and N. Dercas, 2019. “Satellite Methodologies for Rationalizing Crop Water Requirements in Vulnerable Agroecosystems”, *International Journal of Sustainable Agricultural Management and Informatics*, Vol.5 No.1, pp.37 - 58 DOI: 10.1504/IJSAMI.2019.10022900.
11. Nastos, P. T., Dalezios, N. R., Faraslis, I. N., Mitrakopoulos, K., Blanta, A., **Spiliotopoulos, M.**, Sakellariou, S., Sidiropoulos, P., and Tarquis, A. M., 2021. Risk management framework of environmental hazards and extremes in Mediterranean ecosystems, *Nat. Hazards Earth Syst. Sci. Discuss.*, <https://doi.org/10.5194/nhess-2020-155>, 2021.
12. Sidiropoulos, P.; Dalezios, N.R.; Loukas, A.; Mylopoulos, N.; **Spiliotopoulos, M.**; Faraslis, I.N.; Alpanakis, N.; Sakellariou, S., 2021. Quantitative Classification of Desertification Severity for Degraded Aquifer Based on Remotely Sensed Drought Assessment. *Hydrology* , 8, 47. <https://doi.org/10.3390/hydrology8010047>.
13. Ntinopoulos, N.; **Spiliotopoulos, M.**; Vasiliades, L.; Mylopoulos, N., 2022. Contribution to the Study of Forest Fires in Semi-Arid Regions with the Use of Canadian Fire Weather Index Application in Greece. *Climate*, 10, 143. <https://doi.org/10.3390/cli10100143>
14. Bazzi, H.; Baghdadi, N.; Najem, S.; Jaafar, H.; Le Page, M.; Zribi, M.; Faraslis, I.; **Spiliotopoulos, M.**, 2022. Detecting Irrigation Events over Semi-Arid and Temperate Climatic Areas Using Sentinel-1 Data: Case of Several Summer Crops. *Agronomy* 2022, 12, 2725. <https://doi.org/10.3390/agronomy12112725>

15. **Spiliotopoulos, M.**, Alpanakis, N., Tziatzios, G.A., Faraslis, I., Sidiropoulos, P., Sakellariou, S., Karoutsos, G., Dalezios, N.R., Dercas, N. 2023. Estimation of Remotely Sensed Actual Evapotranspiration in Water-Limited Mediterranean Agroecosystems for Monitoring Crop (cotton) Environmental Sciences Proceedings, 25, 9. <https://doi.org/10.3390/ECWS-7-14200>
16. Samarinas, N., **Spiliotopoulos, M.**, Tziolas, N., and Loukas, A., 2023. Synergistic Use of Earth Observation Driven Techniques to Support the Implementation of Water Framework Directive in Europe: A Review. Remote Sensing 15, no. 8: 1983. <https://doi.org/10.3390/rs15081983>
17. I. Faraslis, N.R. Dalezios, N. Alpanakis, G.A. Tziatzios, **M. Spiliotopoulos**, S. Sakellariou, P. Sidiropoulos, N. Dercas, A. Domínguez, J. Antonio Martínez-López, R. López-Urrea, F. Karam, H. Amami, R. Nciri.,2023. Remotely Sensed Agroclimatic Classification and Zoning in Water-Limited Mediterranean Areas towards Sustainable Agriculture Remote Sensing, 2023, 15(24), 5720
18. S. Sakellariou, **M. Spiliotopoulos**, N. Alpanakis, I. Faraslis, P. Sidiropoulos, 2024. Spatiotemporal Drought Assessment Based on Gridded Standardized Precipitation Index (SPI) in Vulnerable Agroecosystems. Sustainability, 16 (3), 1240.
19. S. Sakellariou, N.R. Dalezios, **M. Spiliotopoulos**, N. Alpanakis, I. Faraslis, G.A. Tziatzios, P. Sidiropoulos, N. Dercas, A. Domínguez, H. Martínez López, F. Montoya, R. López-Urrea, F. Karam, H. Amami, R. Nsiri, 2024. Remotely Sensed Comparative Spatiotemporal Analysis of Drought and Wet Periods in Distinct Mediterranean Agroecosystems. Remote Sensing,16,19.
20. Diakouloukas V., Koutopoulos G., Papadimou S.G., **Spiliotopoulos M.**, Golia E., 2025. Predicting Heavy Metal and Nutrient Availability in Agricultural Soils Under Climatic Variability Using Regression and Mixed-Effects Models. Land 2025, 14(9), 1743; <https://doi.org/10.3390/land14091743>
21. Dercas N., Tziatzios G.A., Sidiropoulos P., Sarchani S., Faraslis I, Belaud G., Daudin K., **Spiliotopoulos M.**, Sakellariou S., Alpanakis N., Bourazanis G., Dalezios N.R., 2025. Monitoring satellite-based crop irrigation water requirements for maize, cotton and hay in distinct Mediterranean regions. Agricultural Water Management,Volume 319,1 October 2025, 109719. <https://doi.org/10.1016/j.agwat.2025.109719>
22. I. Faraslis, N.R. Dalezios, **M. Spiliotopoulos**, G. A. Tziatzios, S. Sakellariou, N. Dercas, K. Giannousa, G. Belaud, K. Daudin, M. Rosario Cameira, P. Paredes, J. Rolim, 2025. Satellite-based innovative agroclimatic classification under reduced water availability: identification of optimal productivity zones *Land* **2025**, 14(11), 2147; <https://doi.org/10.3390/land14112147>
23. Minos, T., Stamatakis, A., Golia, E., Adamantidou, C., Tziourrou, P., **Spiliotopoulos M.**, and Barbieri, E., 2026. The Impacts of Extreme Weather Events on Soil Contamination by Heavy Metals and Polycyclic Aromatic Hydrocarbons: An Integrative Review.Land,Volume 15, 1, 10.3390/land15010165.
24. Sakellariou, S., Dalezios, N.R., **Spiliotopoulos, M.**, Alpanakis, N., Kartsios, S., Faraslis, I, Tziatzios, G., Sidiropoulos, P., Dercas, N., Nsiri, R., 2026. Spatiotemporal Drought Assessment Projections for Climate-Resilient Planning in Distinct Mediterranean Agroecosystems. Hydrology, Volume 13, 2,10.3390/hydrology13020073.

5.3 Chapters in Books

1. **M. Spiliotopoulos**, A. Loukas, and H. Michalopoulou, 2013. Contribution to the study of regional actual evapotranspiration with the use of surface energy balance and remote sensing for central Greece. *Advances in Meteorology, Climatology and Atmospheric Physics* Eds Helmis, Costas G.; Nastos, Panagiotis. Springer Atmospheric Sciences Berlin Heidelberg, 2013, XXX, 309-315.
2. Calleja E., Nertan A., Papadavid G., Romaguera M., **Spiliotopoulos M.**, Stancalie G., Struzik P., and Toulis L., 2015. «Assessment of European agriculture water use and trade under climate change (EURO-AGRIWAT). Interim report.» Edited by Anna Dalla Marta and Pavol Nejedlik. European Cooperation in Science and Technology (COST). Title: Identification of the key variables that can be estimated using Remote Sensing (RS) data (with medium and high resolution) and needed for Water Footprint (WF) and Virtual Water Trade (VWT) assessment (evapotranspiration, precipitation, water storage, water stress, runoff, land use, etc.)
3. Jabiras, J., Loukas, A., Fafoutis, Ch., **Spiliotopoulos, M.**, Sidiropoulos, P., Kokkinos, K., Vasiliades, L., Papaioannou, G., Mylopoulos, N. (2015), “Development of an integrated information system for the planning and management of water resources of agricultural watersheds and strategic decision making”, Honor book for Prof. Yannopoulos, S., AUTH (in Greek).
4. L. Toulis, M. Romaguera, G. Stancalie, **M. Spiliotopoulos**, P. Struzik, E. Calleja, A. Tarquis, M. Kepinska-Kasprzak, G. Papadavid. How can remote sensing data be integrated into Water Footprint (WF) and Virtual Water Trade (VWT) Assessment. An overview of the key input variables for WF of crops. In: *How the study of the Water Footprint of agricultural crop can benefit from the use of satellite remotely sensed data*. Euro-Agriwat, European Cooperation in Science and Technology (COST). Edited by: L. Toulis and P. Struzik., 2016. ISBN 978-80-85754-38-4.
5. G. Stancalie, A. Nertan, P. Struzik, L. Toulis, **M. Spiliotopoulos**, G. Papadavid, A. Tarquis, M. Kepinska-Kasprzak, E. Calleja, J.R. Nunes. Assessment of the most appropriate set of vegetation indices and biophysical variables in the context of a cost-effective solution to monitor water stress, using satellite data. In: *How the study of the Water Footprint of agricultural crop can benefit from the use of satellite remotely sensed data*. Euro-Agriwat, European Cooperation in Science and Technology (COST). Edited by: L. Toulis and P. Struzik., 2016. ISBN 978-80-85754-38-4.
6. P. Struzik, M. Kepinska-Kasprzak, **M. Spiliotopoulos**, L. Toulis, G. Stancalie, A. Nertan, G. Papadavid, J.R. Nunes. Assessment of required spatial, spectral and temporal resolution of satellite data for the analysis of water footprint in relation to existing ground observations. In: *How the study of the Water Footprint of agricultural crop can benefit from the use of satellite remotely sensed data*. Euro-Agriwat, European Cooperation in Science and Technology (COST). Edited by: L. Toulis and P. Struzik., 2016. ISBN 978-80-85754-38-4.
7. Toulis L., **Spiliotopoulos M.**, Papadavid G., Loukas A. (2020) Observation Methods and Model Approaches for Estimating Regional Crop Evapotranspiration and Yield in

Agro-Landscapes: A Literature Review. In: Mirschel W., Terleev V., Wenkel KO. (eds) Landscape Modelling and Decision Support. Innovations in Landscape Research. Springer, Cham.

8. NR Dalezios, N Dercas, IN Faraslis, M Spiliotopoulos, P Sidiropoulos, S. Sakellariou, S. Eslamian, 2023. Irrigation and Agrometeorology: Innovative Remote Sensing Applications in Crop Monitoring. Handbook of Irrigation Hydrology and Management, 243-259.

5.4 Conference Proceedings

1. **Spiliotopoulos, M.E.**, Michalopoulou, H., 2000. Contribution to the study of drought in the Aegean region, Greece. *Proceedings of 5th Hellenic Conference in Meteorology, Climatology & Atmospheric Physics*, 25-28 September 2000, Thessaloniki, Greece, edited by Th. Karakostas (Ziti, Thessaloniki Greece), pp. 305-312, (In Greek).
2. Domenikiotis, C., **M. Spiliotopoulos**, E. Tsiros, and N.R. Dalezios 2002. Application of NOAA/AVHRR VCI for drought monitoring in Thessaly. *6th International Conference of Protection and Restoration of the Environment*, 1-5 July 2002, Skiathos, Greece, 1663-1670.
3. **Spiliotopoulos, M.**, Kontou, E., Michalopoulou, H., 2002. Contribution to the study of drought in Greece. *6th Hellenic Conference in Meteorology, Climatology & Atmospheric Physics*, 25-28 September, Edited by B.D. Katsoulis (In Greek), Ioannina, Greece, pp. 422-429.
4. Loukas, A., Vasiliades L., **Spiliotopoulos M.**, Bampzelis D., Domenikiotis C., & Dalezios N.R., 2002. An Assessment of Regional Droughts in Greece using two Meteorological Drought Indices. *6th Hellenic Conference in Meteorology, Climatology & Atmospheric Physics*, 25-28 September, Edited by B.D. Katsoulis, Ioannina, Greece, pp. 708-716.
5. Domenikiotis, C., **Spiliotopoulos, M.**, Tsiros, E., and Dalezios, N.R., 2003. Remotely-Sensed innovative approach for the cumulative meteorological effects on cotton production, *Proceedings of International Society for Optical Engineering (SPIE)*, Remote Sensing for Agriculture, Ecosystems, and Hydrology V (Edited by M. Owe, G. D'Urso, J.F. Moreno and A. Calera), 8-10 September 2003, Barcelona, Spain, pp.151-161.
6. Chrysoulakis N., **Spiliotopoulos, M.**, Feidas, H., Domenikiotis, C., and Dalezios, N.R., 2004. Assessment of atmospheric static stability using Remote Sensing. *5th Panhellenic (International) Conference in Meteorology, Climatology & Atmospheric Physics*, 28-30 September 2004, University of Cyprus, Nicosia, vol. A', pp. 100-108.
7. Domenikiotis C., **Spiliotopoulos, M.**, Kanelou, E., Dalezios, N.R., 2004. Mapping of temperature related regions in Greece for the study of radiation frost, *Proceedings of the 7th Panhellenic Geographic Conference (Edited by: P. Kanaroglou, Mytilene, 14-17 October 2004*, pp.74-81 (in Greek).

8. Domenikiotis, C., Tsiros, E., **Spiliotopoulos, M.**, Dalezios, N.R., 2004. Use of NOAA/AVHRR-based Vegetation Condition Index (VCI) and Temperature Condition Index (TCI) for drought monitoring in Thessaly, Greece. *Proceedings of EWRA Symposium - Water Resources Management: Risks and Challenges for the 21st Century*, Izmir, Turkey, 2-4 September 2004 (Edited by: N.B. Harmancioglu, O.Fistikoglu, Y. Dalkilic and A. Gul), pp 769-782.
9. Chrysoulakis N., **Spiliotopoulos, M.**, Domenikiotis, C., and Dalezios, N.R., 2005. Towards Monitoring of Regional Atmospheric Instability Through MODIS/AQUA Images, In: N.R. Dalezios and H. Dobesch (Editors), *Proceedings of the International Symposium on GIS and Remote Sensing: Environmental Applications*, Volos, Greece, 7-9 November 2003, pp. 155-166.
10. Domenikiotis C., **Spiliotopoulos, M.**, Galakou, E., and Dalezios, N.R. 2005. Assessment of the Cold Cloud Duration (CCD) Methodology for Rainfall Estimation in Central Greece, In: N.R. Dalezios and H. Dobesch (Editors), *Proceedings of the International Symposium on GIS and Remote Sensing: Environmental Applications*, Volos, Greece, 7-9 November 2003, pp. 185-194.
11. Domenikiotis C., **Spiliotopoulos, M.**, Kanellou, E. and Dalezios, N.R., 2005. Classification of NOAA/AVHRR images for mapping of frost affected areas in Thessaly, Central Greece, In: N.R. Dalezios and H. Dobesch (Editors), *Proceedings of the International Symposium on GIS and Remote Sensing: Environmental Applications*, Volos, Greece, 7-9 November 2003, pp. 25-32.
12. Domenikiotis C., Tsiros, E., **Spiliotopoulos, M.**, and Dalezios, N.R., 2005. Zoning of cotton production areas based on NOAA/AVHRR images, In: N.R. Dalezios and H. Dobesch (Editors), *Proceedings of the International Symposium on GIS and Remote Sensing: Environmental Applications*, Volos, Greece, 7-9 November 2003, pp. 119-132.
13. **Spiliotopoulos M.**, Marinaki A, Michalopoulou H., 2006. Drought estimation for Crete island, Greece, In: N.R. Dalezios, S. Tzortzios and N. Samaras (Editors), *Proceedings of International Conference on: Information Systems in Sustainable Agriculture, Agroenvironment and Food Technology*, Volos, Greece, 20-23 September (ISBN 960-8029-42-2), pp. 823-829.
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5.5 Conference Presentations and Participations

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12. Tzabiras, J., **M. Spiliotopoulos**, K. Kokkinos, C. Fafoutis, P. Sidiropoulos, L. Vasiliades, G. Papaioannou, A. Loukas and N. Mylopoulos (2015). “A GIS Based Watershed Information System for Water Resources Management and Planning in Semi-Arid Areas.” EGU General Assembly, 12-17 April 2015, Vienna, Austria.
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22. **Spiliotopoulos M.**, N.R. Dalezios, I. Faraslis, N. Alpanakis, G. A. Tziatzios , S. Sakellariou, N. Dercas, V. Brissimis, 2024. Optimal Meteorological Network Design for Agriculture based on Agroclimatic zoning methodology and geostatistical analysis. CA20108 FAIRNESS Workshop: “Exploitation of Mapping, Modeling, and Micrometeorological Data-Based Applications”. 05/09 – 06/09/2024, Barcelona, Spain.

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24. **M. Spiliotopoulos**, G. Tziatzios, N. Alpanakis, I. Faraslis, S. Sakellariou, P. Sidiropoulos, G. Karoutsos, N. Dalezios, N. Dercas, 2024. Estimation of Cotton Actual Evapotranspiration in Thessaly (Greece) using ESA's Sentinel imagery and the WRF Model. The 8th International Electronic Conference on Water Sciences session Water Resources Management, Floods and Risk Mitigation.
25. **Spiliotopoulos M.**, A. Tsiovoulos, N.R.Dalezios, 2025. Application of WRF - ARW model at a small grid size of 1X1 km for forecasting micro weather parameters at Volos city, Greece. COST CA2098 Conference, GM and MC meeting Time: 8-9 April 2025 Venue: University of East Sarajevo Stefana Nemanje 5 71123 East Sarajevo Republic of Srpska Bosnia and Herzegovina.

5.6 Journal Reviewer:

(<https://publons.com/researcher/794628/marios-spiliotopoulos/>)

1. Agricultural Systems
2. Agricultural Water Management
3. Agronomy
4. Applied Sciences
5. Arabian Journal of Geosciences
6. Atmosphere
7. Atmospheric Research
8. Climate
9. Computers and Electronics in Agriculture
10. Desalination and Water Treatment
11. Environmental Monitoring and Assessment
12. EWaS Interantional Conference
13. European Water
14. Fire
15. Fresenius Environmental Bulletin
16. Frontiers in Remote Sensing
17. Frontiers in Water
18. Geomatics, Natural Hazards and Risk
19. Hydrology
20. ISPRS International Journal of Geo-Information
21. ISPRS Journal of Photogrammetry and Remote Sensing
22. International Journal of Applied Earth Observation and Geoinformation
23. International Journal of Environmental Research and Public Health
24. International Journal of Remote Sensing
25. Land

26. Journal of Applied Remote Sensing
27. Journal of Engineering Research and Reports
28. Journal of Hydrology
29. Meteorology
30. Natural Hazards and Earth System Sciences Discussions\
31. Physical Science International Journal
32. Plos One
33. Physical Science International Journal
34. Remote Sensing
35. Scientific Reports
36. Sensors
37. Sustainability
38. Toxicological and Environmental Chemistry
39. Water

6 Citations

According to Scopus.com there are 340 citations, and h-index=12.
(<https://www.scopus.com/authid/detail.uri?authorId=6506223321>).

According to Google Scholar there are 680 citations, h-index=15 and i-10 index=19.
(<https://scholar.google.gr/citations?hl=el&user=tIPzPuYAAAAJ>).