

**CURRICULUM VITAE**

**MARIOS-STATHIS SPILIOTOPOULOS**

**Physicist – MSc, PhD.**

November 2019

## 1 Personal

**SURNAME:** Spiliotopoulos

**FIRST NAME:** Marios-Stathis

**FATHER'S NAME:** George

**DATE OF BIRTH:** 30/11/1970

**PLACE OF BIRTH:** Volos, Greece

**ADDRESS:** 17 Karvouni St, 382 21, Volos, Greece

**TEL:** +3024210 74177

**e-mail:** spilioto@uth.gr

## 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

### **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. “MAtheematical 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).

**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).

**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**

Hellenic Physical Society

Hellenic Meteorological Society

### **3 Academic activities**

#### **3.1 Current activities**

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

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

#### **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):**

7. Information Technology and Computers (A' Semester)

8. Probability and Statistics (B' Semester)

**E) University of Thessaly: Greek-French program of postgraduate studies “Management of Hydrometeorological Hazards – Hydrohasards”:** (*Co-Teaching*)

1. GIS and Remote Sensing Applications in Hydrohazards Analysis
2. Storms

#### **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. **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.
8. **Spiliotopoulos, M.**; Loukas, A. Hybrid Methodology for the Estimation of Crop Coefficients Based on Satellite Imagery and Ground-Based Measurements. *Water* 2019, 11, 1364.
9. 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.

### 5.3 Chapters in Books

1. 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).
2. L. Toullos, 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 crops can benefit from the use of satellite remotely sensed data*. Euro-Agriwat, European Cooperation in Science and Technology (COST). Edited by: L. Toullos and P.Struzik., 2016. ISBN 978-80-85754-38-4.
3. G. Stancalie, A. Nertan, P. Struzik, L. Toullos, **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. Toullos and P.Struzik., 2016. ISBN 978-80-85754-38-4.
4. P. Struzik, M. Kepinska-Kasprzak, **M. Spiliotopoulos**, L. Toullos, 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. Toullos and P.Struzik., 2016. ISBN 978-80-85754-38-4.
  5. L. Toullos, **M. Spiliotopoulos**, G. Papadavid, A. Loukas. The use of observation methods and model approaches for estimating regional crop evapotranspiration and yield in agro-landscapes. *Modelling and Decision Support. Innovations in Landscape Research*. Springer Nature Switzerland AG (in press).

#### 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.
14. Bampzelis D., Domenikiotis C., **Spiliotopoulos M.**, Dalezios N.R., 2008. Cloud climatology of convective clouds in central Greece. *Proceedings of 9<sup>th</sup> Conference of Meteorology, Climatology and Atmospheric Physics*, 28-31 May 2008, Edited by: Aristotle University of Thessaloniki, Department of Meteorology-Climatology – Hellenic Meteorological Society, pp. 449-456.
15. **M. Spiliotopoulos**, A. Loukas, L. Vasiliades, 2009. Actual evapotranspiration estimation from satellite-based surface energy balance model in Thessaly,

- Greece. Proceedings of the common conference between Greek Committee for Water Resources Management and Hellenic Hydrotechnical Association: «Total water resources management under climate change conditions», Volos, 27-30 May 2009 (p.p. 789-796).
16. S. Spanos and **M. Spiliotopoulos**, 2010. A climatic investigation of precipitation amount associated with 500 hPa cyclones which are affecting the Greek territory during warm period of the year. Proceedings of the XIX Carpathian Balkan Geological Association (CBGA) Congress, Thessaloniki, Greece, Special Volume 99, pp. 429-434.
  17. **M. Spiliotopoulos**, A. Karioti, A. Loukas και N. Mylopoulos, 2012. Land use study for Karla lake watershed with the use of Remote Sensing. First Thessaly Environmental Conference pp. 813-818 (In Greek).
  18. **M. Spiliotopoulos**, N. Adaktylou, A. Loukas, H. Michalopoulou, N. Mylopoulos, L. Toullos, 2013. A spatial downscaling procedure of MODIS derived actual evapotranspiration using Landsat images at central Greece. First International conference on Remote Sensing and Geoinformation of Environment. Paphos Cyprus *RSCy 2013* 8-10 April 2013.
  19. **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.
  20. L. Toullos, G. Stancalie, P. Struzik, P. Nejedlik, **M. Spiliotopoulos**, 2013. Sources of remote sensing data used for estimating variables in environmental change studies in agriculture. In: (Ed.: B. Šiška, P. Nejedlík, L. Hájková, V. Kožnarová) *International Scientific Conference: Environmental Changes and Adaptation Strategies*, 9th - 11th September 2013, Skalica, Slovakia. ISBN 978-80-552-1066-7.
  21. Stancalie, G., Nertan, A., Toullos, L., **Spiliotopoulos, M.**, 2014. Potential of using satellite based vegetation indices and biophysical variables for the assessment of the water footprint of crops. *Proc. SPIE 9229, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014)*, 92290K (August 12, 2014); doi:10.1117/12.2066392.
  22. **M. Spiliotopoulos**, A. Loukas, N. Mylopoulos, L. Toullos, G. Stancalie, 2014. Investigation of spatial relationships between crop coefficients and specific ground based vegetation indices for Karla watershed, Greece. *Proc. SPIE9229, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014)*, 92290J (August 12, 2014); doi:10.1117/12.2066095.
  23. M. Romanguera, L. Toullos, G. Stancalie, **M. Spiliotopoulos**, P. Struzik, E. Calleja, 2014. Identification of the key variables that can be estimated using remote sensing data and needed for Water Footprint (WF) assessment. *Proc. SPIE 9229, Second International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2014)*, 922912 (August 12, 2014); doi:10.1117/12.2066120.
  24. Loukas, J. Tzabiras, **M. Spiliotopoulos**, N. Mylopoulos, 2015. Development of a district information system for water management planning and strategic decision making. *Third International Conference on Remote Sensing and*

- Geoinformation of Environment in Paphos, Cyprus, 16-19 March 2015, 2015, doi:10.1117/12.2193892).
25. Vasiliades, L., **Spiliotopoulos, M.**, Tzabiras, J., Loukas, A., Mylopoulos, N., 2015. Estimation of crop water requirements using remote sensing for operational water resources management. Third International Conference on Remote Sensing and Geoinformation of the Environment 2015, 16-19 March 2015, Cyprus (doi:10.1117/12.2192520).
  26. **Spiliotopoulos, M.**, Loukas, A., Mylopoulos, N., 2015. A new remote sensing procedure for the estimation of crop water requirements. Third International Conference on Remote Sensing and Geoinformation of the Environment 2015, 16-19 March 2015, Cyprus (doi:10.1117/12.2192688).
  27. Vasiliades, L., Sidiropoulos, P. Tzabiras, J., Kokkinos, K., **Spiliotopoulos, M.**, Papaioannou, G., Fafoutis, C., Michailidou, K., Tziatzios, G., Loukas, A., & Mylopoulos, N., 2015. An integrated monitoring and management system for quantity and quality assessment of water resources in rural basins. 9th World Congress of EWRA "Water Resources Management in a Changing World: Challenges and Opportunities" Istanbul, Turkey, 10th-13th June 2015.
  28. Kopasakis, K., Laspidou, C., **Spiliotopoulos, M.**, Kofinas, D., & Mellios, N., 2015. 3D Numerical Modelling of Wind Driven Circulation and Horizontal Dispersion in a Reconstructed Shallow Lake. 9th World Congress of EWRA "Water Resources Management in a Changing World: Challenges and Opportunities" Istanbul, Turkey, 10th-13th June 2015.
  29. Laspidou, C., Kormas, K., Kagalou, I., Loukas, A., Kopasakis, K., Papadimitriou, Th., Mellios, N., Kofinas, D., Latinopoulos, D., **Spiliotopoulos, M.**, Vasiliades, L., Kokkinos, K., Mimis, S., 2015. Mathematical modelling of *Microcystis aeruginosa* as a Key-player in Lakes under Reconstruction—the LAKEREMAKE project. 5th International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2015) & SECOTOX Conference, Mykonos Island, Greece.
  30. Toullos L., and **Spiliotopoulos, M.**, 2017. Methods and challenges of remote sensing in climate change impact studies on agriculture. Proceedings of the International Conference Climate Changing Agriculture, 29 August-2 September, Chania, Greece.
  31. Tzabiras, J., **Spiliotopoulos, M.**, and Loukas, A. 2017. Estimation of crop water requirements using remote sensing for operational water resources management. 10th World Congress of EWRA on water resources and environment "Panta Rhei", Athens, Greece. 5-9 July 2017.

## 5.5 Conference Presentations and Participations

1. Domenikiotis, C., **Spiliotopoulos, M.**, Tsiros, E., and Dalezios, N.R., 2003. Cotton Production Estimation Based on the Combination of NOAA/AVHRR Data and Bhalme and Mooley Drought Index Methodology in Thessaly Greece. EGS-AGU-

- EUG Joint Assembly, 6-11 April 2003, Nice, France. *Geoph. Research Abstracts*, Vol. 5, 2003.
2. Theoharatos, G., Mavrakis, A., **Spiliotopoulos, M.**, and Michalopoulou, H., 2005. The effects of solar activity on the precipitation and drought/flood conditions in Greece. European Geosciences Union, General Assembly 2005, Vienna, Austria, 24 - 29 April 2005.
  3. Domenikiotis, C., Tsiros, E., **Spiliotopoulos, M.**, and Dalezios, N.R., 2005. Identification of cotton phenological features based on the Vegetation Condition Index (VCI). Workshop on Climatic Analysis and Mapping for Agriculture, 14-17 June 2005, Bologna, Italy.
  4. A. Marinaki, **M. Spiliotopoulos** and H. Michalopoulou, 2005. Evaluation of atmospheric instability indices in Attica, Greece. 7th Plinius Conference on Mediterranean Storms. European Geosciences Union. 05 – 07 October 2005, Rethymnon, Crete, Greece.
  5. Marinaki A., **Spiliotopoulos, M.** and Michalopoulou, H., 2007. A comparative performance analysis of three meteorological drought indices for Thessaly, Greece. European Geosciences Union, General Assembly 2007, Vienna, Austria, 15 - 20 April 2007.
  6. **M. Spiliotopoulos**, A. Loukas and L. Vasiliades, 2008. Actual evapotranspiration estimation from satellite-based surface energy balance model in Thessaly, Greece. European Geosciences Union, General Assembly 2008, Vienna, Austria, 13 - 18 April 2008.
  7. **M. Spiliotopoulos**, H. Michalopoulou and A. Loukas, 2009. Comparison of ground based and satellite derived regional actual evapotranspiration estimation for continental Greece. 6th EGU, General Assembly, Vienna, Austria, 19 - 24 April 2009, *Geophysical Research Abstracts*, Vol. 11, 2009 EGU2009-12585, EGU General Assembly 2009.
  8. A. Loukas and **M. Spiliotopoulos**, 2010. Climate change implications on maximum monthly stream flow in Cyprus using fuzzy regression models. 12th Plinius Conference on Mediterranean Storms. European Geosciences Union. Corfu Island, Greece. 1 – 4 September 2010.
  9. J. Tzabiras, **M. Spiliotopoulos**, K. Kokkinos, C. Fafoutis, P. Sidiropoulos, L. Vasiliades, A. Loukas, and N. Mylopoulos, 2014. A GIS based district information system for water resources management and planning. EGU General Assembly, 27 April – 2 May 2014, Vienna, Austria.
  10. **M. Spiliotopoulos**, N. Holden, A. Loukas, 2014. Leaf Area Index for the estimation of Actual Evapotranspiration using the Surface Energy Balance and Remote Sensing SEBAL (model) for central Ireland. 2014 ASABE and CSBE | SCGAB Annual International Meeting, July 13 – 16, 2014. Montreal, Quebec Canada.
  11. Vasiliades, L., P. Sidiropoulos, J. Tzabiras, K. Kokkinos, **M. Spiliotopoulos**, G. Papaioannou, C. Fafoutis, K. Michailidou, G. Tziatzios, A. Loukas and N. Mylopoulos (2015). "Hydromentor: An Integrated Water Resources Monitoring and Management System at Modified Semi-Arid Watersheds." EGU General Assembly, 12-17 April 2015, Vienna, Austria.
  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.
13. Stancalie, G., Nertan, A., Toullos, L., **Spiliotopoulos, M.**, 2016. Satellite based vegetation indices and biophysical parameters for the assessment of the water footprint of crops. EURO-AGRIWAT Conference: “Water Footprint of agricultural products: Progress, challenges and solutions”. 7-9 March 2016, Wageningen, The Netherlands.
  14. Papadavid, G., Toullos, L., **Spiliotopoulos, M.**, 2016. The use of Earth Observation methods for estimating regional Crop Evapotranspiration and Yield for Water Foot Print accounting. EURO-AGRIWAT Conference: “Water Footprint of agricultural products: Progress, challenges and solutions”. 7-9 March 2016, Wageningen, The Netherlands.
  15. **Spiliotopoulos, M.**, Holden, N., Loukas, A., 2016. Crop coefficients assessment using METRIC model and relationships with Landsat’s TM thermal channel under stress conditions in central Ireland. EURO-AGRIWAT Conference: “Water Footprint of agricultural products: Progress, challenges and solutions”. 7-9 March 2016, Wageningen, The Netherlands.
  16. **Spiliotopoulos, M.**, Klemen, K., Pergar, P., Laspidou, C., 2019. Contribution of remote sensing in urban planning, regarding flood prone areas. A case study in Ljubljana, Slovenia. 2019 CEMEPE & SECOTOX Conference, 19-24 May, 2019, Mykonos Island, Greece.

### 5.6 Journal Reviewer:

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

1. Remote Sensing
2. Water
3. ISPRS Journal of Photogrammetry and Remote Sensing
4. ISPRS International Journal of Geo-Information
5. Plos One
6. Computers and Electronics in Agriculture
7. Hydrology
8. EWaS International Conference
9. Atmospheric Research
10. Agricultural Systems
11. International Journal of Remote Sensing
12. Journal of Applied Remote Sensing
13. Desalination and Water Treatment
14. Arabian Journal of Geosciences
15. Fresenius Environmental Bulletin
16. Toxicological and Environmental Chemistry
17. Sustainability
18. Physical Science International Journal
19. European Water

## 6 Citations

According to Scopus.com there are 112 citations, and h-index=5.  
(<https://www.scopus.com/authid/detail.uri?authorId=6506223321>).

According to Google Scholar there are 250 citations, h-index=8 and i-10 index=7.  
(<https://scholar.google.gr/citations?hl=el&user=tIPzPuYAAAAJ>).