

PERSONAL INFORMATION

Evangelos Tziritis



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Sex Male | Date of birth 03/06/1978 | Nationality Greek

RESUME

Dr. Evangelos Tziritis is a Researcher at the Soil and Water Resources Institute of the Hellenic Agricultural Organization "Demeter". His main research domain is focused on environmental hydrogeochemistry and relevant water resources aspects. He has significant experience in various methodological approaches for geo-environmental analysis in catchment scale level (hydrogeochemical modeling, environmental indicators, stable isotopes, index and overlay methods of groundwater vulnerability, and multivariate statistics). He also possesses expert knowledge on environmental monitoring of water resources and impact assessment studies. His overall record of achievements includes several years of experience in geo-environmental projects of basic and applied research in liaison with private firms, stakeholders, and academia. He has participated in more than 20 projects and has published more than 60 scientific papers (h-index 9) in peer-reviewed journals and international conferences. He is a regular reviewer of more than 20 scientific journals of Science Citation Index (SCI). Currently, he is coordinator of MEDSAL Project (PRIMA Programme), focusing on the multi-sourced salinization of aquifers.

WORK EXPERIENCE

- Oct 17 - present

Researcher
 Soil and Water Resources Institute, Hellenic Agricultural Organization (HAO), [Sindos, Thessaloniki Industrial Zone, 57400, Greece]

 - Research, Project Management
[Business or sector](#) R&D

- Jun 11 – Jun 17

Research Fellow
 Hellenic Agricultural Organization (HAO) – DG Research , Soil and Water Resources Institute (ex Land Reclamation Institute) [Sindos, Thessaloniki Industrial Zone, 57400, Greece]

 - Research
[Business or sector](#) R&D

- Jan 13 – Jan 14

Research Fellow
 Aristotle University of Thessaloniki, School of Sciences, Faculty of Geology [University Campus, Thessaloniki , 54124, Greece]

 - Research
[Business or sector](#) R&D

- Feb 12 – Feb 13

Senior Consultant

Society for the Protection of Prespa [Aghios Germanos, Prespa, 53077, Greece]

- Consultancy, Research
Business or sector NGO

Jan 08 – Jun16

Scientific Collaborator

Various consultancy forms

- Consultancy, Research, Project Management, Proposal writing for EU Projects
Business or sector Consultancy-Development works

Jan 03 – May 11

Research Fellow / Research Associate

National and Kapodistrian University of Athens, School of Sciences, Faculty of Geology and Geo-environment [University Campus, Athens, 15771, Greece]

- Research
Business or sector R&D

EDUCATION AND TRAINING

Oct 2004 – Oct 2008

PhD in Environmental Geochemistry

National and Kapodistrian University of Athens, School of Sciences, Faculty of Geology and Geo-environment, Greece

Oct 2002 – Oct 2004

MSc in Environment and Development

National Technical University of Athens, Interdisciplinary Programme, Greece

Oct 1998 – Oct 2002

BSc in Geology

National and Kapodistrian University of Athens, School of Sciences, Faculty of Geology, Greece

Mother tongue

Greek

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

ADDITIONAL INFORMATION

Research Projects

1. Salinization of critical groundwater reserves in coastal Mediterranean areas: Identification, risk assessment and sustainable management with the use of integrated modelling and smart ICT tools (MEDSAL) – PRIMA Programme.
Duration: 2019-2022. *Role:* Project Coordinator, Principal Investigator of research team.
2. Agricultural Interoperability and Analysis System (ATLAS) – HORIZON 2020
Duration: 2019-2022. *Role:* Research team member.
3. Providing services for management of natural resources (Re-Source) – INTERREG V-B Balkan-Mediterranean 2014-2020 Programme.
Duration: 2019-2020. *Role:* Research team member
4. Recovery of olive oil by-products through bio/hydrochars production for agricultural soil fertilization and environment preservation (FERTICHAR) – ARIMNet2 Programme.

Duration: 2018-2020. *Role:* Research team member

5. Use of industrial mining wastes to the production of innovative fire-retardant raw materials (MagWasteVal) – Greek National Research Programme EDK.
Duration: 2018-2020. *Role:* Research team member
6. Promoting water efficiency and supporting the shift towards a climate resilient agriculture in Mediterranean countries (AgroClimaWater) – LIFE 14 Programme.
Duration: 2017-2020. *Role:* Research team member
7. Development and application of a novel method for integrated vulnerability of groundwater systems in nitrates (AqVulN) – AgroETAK Programme
Duration: 2014-2015. *Role:* Principal Researcher
8. International virtual topic-network on modelling and management of catchments in Mediterranean basin – Bilateral Greek-German Project, Julich Research Center.
Duration: 2017-2018, *Role:* Research team member
9. Integrated modelling and management of nitrogen pollution in selected Greek and German catchment areas – Programme for the promotion of the exchange and the scientific cooperation between Greece and Germany IKYDA2011
Duration: 2010-2014. *Role:* Research team member
10. Establishment of impact assessment procedure as a tool for the sustainability of agro-ecosystem: the case of Mediterranean olives (SAGE10) – LIFE+ Environment Programme.
Duration: 2010-2014. *Role:* Research team member
11. Strategic Plan for the adaptation and application of the principles for the sustainable use of pesticides in a vulnerable ecosystem (ECOPEST) - LIFE+ Environment Programme
Duration: 2008-2011. *Role:* Research team member
12. The use of clay-rich rocks and mining wastes in the production of lightweight aggregates with thermal insulation properties Bilateral Greek-Romanian Research Programme
Duration: 2006-2007. *Role:* Research team member
13. Hydrogeochemical and environmental study of Samos Island and research of correlation between elevated values of soluble salts and depositions of Industrial Minerals (Borates, Niter, Celestine) – Pithagoras II Programme
Duration: 2005-2007. *Role:* Research team member

Development and Key Consultancy Projects

14. Ad hoc expert support services on surface and ground water related issues directly or indirectly linked to the TAP construction within the Hellenic territory. *Duration:* 2019-onwards. *Role:* Scientific experts team member
15. International Virtual Topic – Network on modelling and management of catchments in Mediterranean basins. *Duration:* 2014-2019. *Role:* Scientific experts team member
16. Geothermal research of Akropotamos area, Kavala, Greece. Water Authority of Paggeio District.
Duration: 2018. *Role:* Scientific experts team member
17. Monitoring of the quantity and quality of water resources in implementation of the Water Framework Directive - Hellenic Special Secretariat for Water-Structural Funds.
Duration: 2017-2023. *Role:* Scientific experts team member
18. Environmental Monitoring of Lake micro-Prespa and its hydrological basin. Vodafone World of Difference Project, Society for the Protection of Prespa.
Duration: 2012-2013. *Role:* Expert Consultant

19. Implementation of the Nitrates Directive in Turkey. Vakakis International S.A.
Duration: 2012. *Role:* Scientific experts team member
20. Environmental – hydrogeochemical research of Akrefnio area, central Greece – Akrefnio Municipality
Duration: 2008-2009. *Role:* Scientific experts team member
21. Anti-seismic protection of Korinthos city, Greece – Periandros Project
Duration: 2003-2005. *Role:* Consultant

Post-Doctoral Research Projects

22. Development and application of an innovative method for the assessment of specific aquifer vulnerability to nitrates (AqVuln) – AGROETAK funded PDoc Research Projects. Duration: 2014-2015. Institution: Hellenic Agricultural Organization, Soil and Water Resources Institute. Role: Principal Investigator
23. Environmental use of zeolites on water resources and sewage effluents – Excellence Scholarships for PDoc Research
Duration: 2013-2014. Institution: Aristotle University of Thessaloniki, Faculty of Geology. Role: Principal Investigator

Publications

Peer-Reviewed International Scientific Journals (SCI)

1. Barzegar, R., Moghaddam, A.A., Soltani, S., **Tziritis, E.**, Adamowski, J., Inam, A. (2019). Natural and anthropogenic origins of selected trace elements in the surface waters of Tabriz area, Iran. *Environmental Earth Sciences* 78:254, <https://doi.org/10.1007/s12665-019-8250-z>
2. Fijani, E., Barzegar, R., Deo, R., **Tziritis, E.**, Skordas, K. (2019) Design and implementation of a hybrid model based on two-layer decomposition method coupled with extreme learning machines to support real-time environmental monitoring of water quality parameters. *Science of the Total Environment* 648:839-853, <https://doi.org/10.1016/j.scitotenv.2018.08.221>
3. Esmaeli, S., Moghaddam, AA., Barzegar, R., **Tziritis, E.** (2018). Multivariate statistics and hydrogeochemical modelling for source identification of major elements and heavy metals in the groundwater of Qareh-Ziaeddin plain, NW Iran. *Arabian Journal of Geosciences* 11:5, <https://doi.org/10.1007/s12517-017-3317-1>
4. Pinaras, V., Panagopoulos, A., Herrman, A., Bogena, H.R., Doulgeris, C., Ilias, A., **Tziritis, E.**, Wendland, F. (2018) Hydrologic and geochemical research at Pinios Hydrologic Observatory: Initial results. *Vadose Zone Journal* 17:180102, <https://doi.org/10.2136/vzj2018.05.0102>
5. Gautam, S.K., **Tziritis, E.**, Singh, S.K., Tripathi, J.K., Singh, A.K. (2018) Environmental monitoring of water resources with the use of PoS index: a case study from Subarnarekha River basin, India. *Environmental Earth Sciences* 77:70, <https://doi.org/10.1007/s12665-018-7245-5>
6. Barzegar, R., Moghaddam, A.A., Deo, R., Fijani, E. **Tziritis, E.** (2018) Mapping groundwater contamination risk of multiple aquifers using multi-model ensemble of machine learning algorithms. *Science of the Total Environment* 621: 697-712, <https://doi.org/10.1016/j.scitotenv.2017.11.185>
7. Arampatzis, G., Panagopoulos, A. Pinaras, A., **Tziritis E.**, Wendland, F. (2018) Identifying potential effects of climate change on the development of water resources in Pinios River Basin, Central Greece. *Applied Water Science* 8:51, <https://doi.org/10.1007/s13201-018-0690-1>
8. Barzegar, R., Moghaddam, A.A., Soltani, S., Fijani, E., **Tziritis, E.** Kazemian, N. (2017) Heavy Metal(oid)s in the Groundwater of Shabestar Area (NW Iran): Source Identification and Health Risk Assessment. *Exposure and Health*, pp 1-15, <https://doi.org/10.1007/s12403-017-0267-5>
9. **Tziritis, E.**, Datta, P.S., Barzegar, R. (2017) Characterization and assessment of groundwater resources in a complex hydrological basin of central Greece (Kopaida basin) with the joint use of hydrogeochemical analysis, multivariate

- statistics and stable isotopes. *Aquatic Geochemistry* 23(4):271-298 <https://doi:10.1007/s10498-017-9322-x>
10. Soltani, S., Moghaddam, A.A., Barzegar, R., **Tziritis, E.** (2017) Hydrogeochemistry and water quality of the Kordkandi-Duzduzan plain, NW Iran: application of multivariate statistical analysis and PoS index. *Environmental Monitoring and Assessment* 189(9):455, [https://doi: 10.1007/s10661-017-6171-4](https://doi:10.1007/s10661-017-6171-4)
 11. Barzegar, R., Fijani, E., Moghaddam, A.A., **Tziritis, E.** (2017) Forecasting of groundwater level fluctuations using ensemble hybrid multi-wavelet neural network-based models. *Science of the Total Environment* 599-600:20-31, [https://doi: 10.1016/j.scitotenv.2017.04.189](https://doi:10.1016/j.scitotenv.2017.04.189)
 12. Barzegar, R., Moghaddam, A.A., **Tziritis, E.**, Fakhri, M.S., Soltani, S. (2017) Identification of hydrogeochemical processes and pollution sources of groundwater resources in the Marand plain, northwest of Iran. *Environmental Earth Sciences* 7:296, [https://doi: 10.1007/s12665-017-6612-y](https://doi:10.1007/s12665-017-6612-y)
 13. Barzegar, R., Moghaddam, A.A., **Tziritis, E.**, (2017) Hydrogeochemical features of groundwater in Tabriz plain, northwest of Iran. *Applied Water Science* volume 7, issue 7, pp 3997-4011, [https://doi: 10.1007/s13201-017-0550](https://doi:10.1007/s13201-017-0550)
 14. **Tziritis, E.**, and Lombardo, L. (2017) Estimation of intrinsic aquifer vulnerability with index-overlay and statistical methods. The case of eastern Kopaida, central Greece. *Applied Water Science* 7:2215-2229, [https://doi: 10.1007/s13201-016-0397-0](https://doi:10.1007/s13201-016-0397-0)
 15. Barzegar, R., Moghaddam, A.A., **Tziritis, E.**, (2016) Assessing the hydrochemistry and water quality of the Aji-Chay River, Northwest of Iran. *Environmental Earth Sciences* 75: 1486, <https://doi:10.1007/s12665-016-6302-1>
 16. Filippidis, A., **Tziritis, E.**, Kantiranis, N., Tzamos, E., Gamaletsos, P., Papastergios, G., Filippidis, S. (2016) Application of Hellenic Natural Zeolite in Thessaloniki industrial area wastewater treatment. *Desalination and Water Treatment* 57:19702-19712
 17. **Tziritis, E.**, Skordas, K., Kelepertzis, A. (2016) The use of hydrogeochemical analyses and multivariate statistics for the characterization of groundwater resources in complex aquifer system. A case study in Amyros River basin, Thessaly, central Greece. *Environmental Earth Sciences* 75:339
 18. Panagopoulos, A., Arampatzis, G., **Tziritis, E.**, Pisinaras, V., Kunkel, R., Wendland, F. (2016) Assessment of climate change impact in the hydrological regime of River Pinios basin, central Greece. *Desalination and Water Treatment* 57:2256-2267
 19. **Tziritis, E.**, Arampatzis, G., Hatzigiannakis, E., Panoras, G., Panoras, A., Panagopoulos, A. (2016) Quality characteristics and hydrogeochemistry of irrigation waters from three major olive groves in Greece. *Desalination and Water Treatment* 57:11582-11591
 20. **Tziritis, E.**, Tzamos, E., Vogiatzis, P., Matzari, C., Kantiranis, N., Filippidis, A., Theodosiou, N., Fytianos, K. (2016) Quality assessment and hydrogeochemical status of potable water resources in a suburban area of northern Greece (Thermi Municipality, central Macedonia). *Desalination and Water Treatment* 57:11462-11471
 21. Voutsis, N., Kelepertzis E., **Tziritis, E.** Kelepertzis, A. (2015) Assessing the hydrogeochemistry of groundwaters in ophiolite areas of Euboea Island, Greece, using multivariate statistical methods. *Journal of Geochemical Exploration* 159:79-92
 22. Panagopoulos, A., Arampatzis, G., Kuhr, P., Kunkel, R., **Tziritis, E.**, Wendland F. (2015) Area-differentiated modeling of water balance in Pinios River Basin, central Greece. *Global Nest* 17(2): 221-235
 23. Konstantinou, V., Arampatzis, G., Panagopoulos, A., **Tziritis, E.**, Voudouris, K. (2015) Water quality of the vadose and saturated zone in part of the sedimentary aquifer system of Kopais Basin – central Greece. *Austin Journal of Hydrology* 2(1):1-6
 24. Karyotis, T., Arampatzis, G., Panagopoulos, A., Hatzigiannakis, E., **Tziritis, E.**, Karyoti, K., Vrouhakis, J. (2014) Nutrients, trace elements and water deficit in Greek soils cultivated with olive trees. *Journal of Environmental Protection* 13:9-20
 25. **Tziritis, E.**, Panagopoulos, A., Arampatzis, G. (2014) Development of an operational index of water quality (PoS) as a versatile tool to assist groundwater resources management and strategic planning. *Journal of Hydrology* 517: 339-

350

26. **Tziritis, E.** (2014) Environmental monitoring of Micro Prespa Lake basin (Western Macedonia, Greece). Hydrogeochemical characteristics of water resources and quality trends. *Environmental Monitoring and Assessment* 186(7): 4553-4568
27. **Tziritis, E.**, Kelepertsis, S., Korres G., Perivolaris D., Repani S. (2012) Hexavalent Chromium Contamination in Groundwaters of Thiva Basin, Central Greece. *Bulletin of Environmental Contamination and Toxicology* 89:1073-1077
28. **Tziritis, E.**, Kelepertsis, A., Fakinou, G. (2012) Geochemical status and interactions between soil and groundwater systems in the area of Akrefnio, Central Greece. Risk assessment, under the scope of mankind and natural environment. *Journal of Water and Land Development* 15:127-144
29. **Tziritis, E.** (2010) Assessment of NO₃- contamination in a karstic aquifer, with the use of geochemical data and spatial analysis. *Environmental Earth Sciences* 60(7):1381-1390
30. Stamatakis, M.G, Bedeleian, H., Gorea, M., Alfieris, D., Kavouri, S., **Tziritis E.** (2010) The use of clay-rich rocks and mining wastes in the production of lightweight aggregates with thermal insulation properties. *Refractories World forum* 2(3):1-8
31. Skordas, K., **Tziritis, E.**, Kelepertzis, A. (2010) Environmental hydrogeochemical research on groundwater of the hydrological basin of Amyros River, Agia area, Thessaly, Greece. *Bulletin of the Geological Society of Greece* 43, p.1858-1867
32. **Tziritis, E.** (2009) Groundwater and soil geochemistry of Eastern Kopaida region, (Beotia, central Greece). *Central European Journal of Geosciences* 1(2):219-226
33. Stamatakis, M., **Tziritis, E.**, Evelpidou, N. (2009) The geochemistry of boron-rich groundwater in Karlovassi Basin, Samos Island, Greece. *Central European Journal of Geosciences* 1(2):207-218
34. Kelepertzis, A., **Tziritis, E.**, Kelepertzis, E., Leontakianakos, G., Pallas, K. (2009) Hydrogeochemical characteristics and genetic implications of Edipsos thermal springs, North Euboea, Greece. *Central European Journal of Geosciences* 1(3):241-250
35. **Tziritis, E.**, Kelepertzis, A., Stamatakis, M. (2008) Hydrogeochemical conditions and groundwater quality in the SE part of Samos Island. *Mineral Wealth* 149:17-27

International Conferences

1. Marks, E., Akrouit, H., Kinigopoulou, V., Doulgeris, C., Jellali, S. Rad, C., Zulueta, P.S., **Tziritis, E.**, El-Bassi, L., Jeguirim, M. (2019). Olive mill wastes in the Mediterranean: Organic matter and nutrients of agricultural value. 10-13 October 2019, Sousse, Tunisia.
2. Arampatzis, A., Pisinaras, V., Doulgeris, C., **Tziritis, E.**, Sismani, G., Panagopoulos, A. (2019). Estimating erosion on two Mediterranean watersheds of different hydrological regimes. *Proceedings of the 38th IAHR World Congress*, September 1-6, 2019, Panama City, Panama.
3. Doulgeris, C., Pisinaras, V., **Tziritis, E.**, Hatzigiannakis, E., Panagopoulos, A. (2019). Climate change impact assessment on the establishment of maximum water level in Lake Vegoritida, Greece. *2nd International Conference Adapt to Climate*, 24-25 June 2019, Heraklion, Crete, Greece.
4. Papadopoulos, A., Tzamos, E., Pagona, E., Grieco G., Kasinos, E., **Tziritis, E.**, Mitrakas, M., Zouboulis, A. (2019). Mineralogical and Geochemical Investigation of the Alteration of Ultramafic Magnesite-Hosting Rocks from Gerakini (Chalkidiki, Northern Greece). *15th International Congress of the Geological Society of Greece*. 22-25 May 2019, Athens, Greece.
5. Hatzigiannakis, E., **Tziritis, E.**, Kantiranis, N., Filippidis, A. (2018). The use of HEU-type zeolitic tuff in the management of agricultural nitrate load: Experimental study on soil and vadose zone leachates. *6th International Conference on Sustainable Solid Waste Management*, 13-16 June, Naxos Island, Greece.
6. Hatzigiannakis, E., **Tziritis, E.**, Ilias, A., Arampatzis, G., Doulgeris, C., Pisinaras, V., Panagopoulos, A. (2018).

- Assessment of irrigation water quality in Anthemountas Basin, central Macedonia, Greece. International Conference Protection and Restoration of the Environment, PRE XIV, Thessaloniki 3-6 July, Greece.
7. Skordas, K., Papadonis, A., Petrotou A., **Tziritis, E.**, Vafidis, D. (2016) Hydrochemical and water quality study of the Kalamaki Reservoir, Thessaly, Greece. Proceedings of the 2nd International Congress on Applied Ichthyology and Aquatic Environment, 10-12 November 2016, Messolonghi, Greece.
 8. Panagopoulos, A., Arampatzis, G., Ilias, A., Herrmann, F., Kunkel, R., Pisinaras, V., **Tziritis, E.**, Wendland, F. (2016) Assessment of climate change impact on runoff in River Pinios Basin, Greece. Procedia Engineering, Proceedings of 2nd EWaS International Conference: "Efficient & Sustainable Water Systems Management toward Worth Living Development", Chania Greece, 1-4 June 2016.
 9. Hatzigiannakis, E., Kantiranis, N., **Tziritis, E.**, Filippidis, A., Arampatzis, G., Tzamos, E. (2016) The use of HEU-type zeolitic tuff in sustainable agriculture: Experimental study on the decrease of nitrate load in vadose zone leachates. Bulletin of the Geological Society of Greece, Proceedings of the 14th International Congress, Thessaloniki 25-27 May 2016.
 10. Karyotis, T., Hatzigiannakis, E., Arampatzis, G., Panagopoulos, A., Stathaki, S., Karyoti, K., Vrouchakis, J., Repas, S., **Tziritis, E.**, Zavra, A., Tsekoura, D., Kalogianni, C. (2016) Status of plant available zinc and iron and their inputs from irrigation waters into soils cultivated with olive trees in Pylos area, Greece. Zinc-Net/Zinc-UK Conference, 21-22 November, Belfast.
 11. **Tziritis, E.**, Arampatzis, G., Hatzigiannakis, E., Panoras, A., Stathaki, S., Zavra, A., Kalogianni, H., Panagopoulos, A. (2014) Hydrogeochemistry and water quality assessment of irrigation waters from 3 major olive grove areas in Greece. Proceedings of 12th International Conference on Protection and Restoration of the Environment, 29 June-3 July 2014 Skiathos Island, Greece, p.769-777
 12. Filippidis, A., Kantiranis, N., **Tziritis, E.**, Tzamos, E., Vogiatzis, D., Filippidis, S. (2014) The use of Hellenic natural zeolite (HENZA) in the purification of Thessaloniki industrial area wastewaters. Proceedings of 10th International Hydrogeological Congress of Greece, 8-10 October Thessaloniki, Greece, p.187-193
 13. Konstantinou, V., Panagopoulos, A., **Tziritis, E.**, Voudouris, K. (2014) Water quality of the vadose and saturated zone in part of the sedimentary aquifer system of Kopais basin – Central Greece. Proceedings of 10th International Hydrogeological Congress of Greece, 8-10 October Thessaloniki, Greece, p.367-376
 14. Tzamos, E., **Tziritis, E.**, Vogiatzis, P., Matzari, C., Kantiranis, N., Filippidis, A., Theodosiou, N., Fytianos, K. (2014) Suitability of potable groundwater reserves of Thermi Municipality (Macedonia, Northern Greece) and definition of main hydrogeochemical signatures. Proceedings of 12th International Conference on Protection and Restoration of the Environment, 29 June-3 July 2014, Skiathos Island, Greece, p.756-761
 15. Panagopoulos, A., Arampatzis, G., Hatzigiannakis, E., Karyotis, T., Stathaki S., **Tziritis, E.** (2014) Spatio-temporal variability of nutrients in irrigation waters and its contribution on fertilization of olive groves in Crete Island, Greece. Proceedings of GeoEnv 10th Conference on geostatistics for environmental applications. 9-11 July Paris, France, p.1-5
 16. Karyotis, T., Arampatzis, G., Panagopoulos, A., Hatzigiannakis, E., **Tziritis, E.**, Karyoti, K., Vrouhakis, J. (2014) Nutrients, trace elements and water deficit in Greek soils cultivated with olive trees. Proceedings of International Conference of Biogeochemical processes at Air-Soil-Water interfaces and Environmental Protection. 23-26 June 2014 Imola-Ravenna, Italy, p.1-13
 17. **Tziritis, E.**, Pisinaras, V., Kunkel, R., Panagopoulos, A., Arampatzis, G., Wendland, F. (2014) Assessing the potential effects of climate change in the hydrologic budget of a large Mediterranean basin: The case of River Pinios basin, central Greece
 18. **Tziritis, E.**, Arampatzis, G., Hatzigiannakis, E., Panoras, A., Stathaki, S., Zavra, A., Kalogianni, H., Panagopoulos, A. (2014) Hydrogeochemistry and water quality assessment of irrigation waters from 3 major olive grove areas in Greece. 12th International Conference on Protection and Restoration of the Environment (accepted- in press).
 19. Arampatzis, G., Pisinaras, V., **Tziritis, E.**, Karyotis, T., Panagopoulos, A. (2014) Spatial and temporal distribution of

- key meteorological parameters at Pinios River Basin. 12th International Conference on Protection and Restoration of the Environment (accepted- in press).
20. Tzamos, E., **Tziritis, E.**, Vogiatzis, P., Matzari, C., Kantiranis, N., Filippidis, A., Theodosiou, N., Fytianos, K. (2014) Suitability of potable groundwater reserves of Thermi Municipality (Macedonia, Northern Greece) and definition of main hydrogeochemical signatures. 12th International Conference on Protection and Restoration of the Environment (accepted- in press).
 21. Panagopoulos, A., Arampatzis, G., Hatzigiannakis, E., Karyotis, T., Stathaki S., **Tziritis, E.** (2014) Spatio-temporal variability of nutrients in irrigation waters and its contribution on fertilization of olive groves in Crete Island, Greece. ICERE 2014 International Conference on Environment and Renewable Energy (accepted-in press).
 22. Matzari, C., Vogiatzis, P., **Tziritis, E.**, Tzamos, E., Fytianos, K., Theodosioy, N., Kantiranis, N., Filippidis, A. (2014) Tracing and variation of nitrogen compounds in the potable water reserves of Thermi Municipality (central Macedonia, Greece). 5th Environmental Conference of Macedonia-Thrace, Thessaloniki, Greece (accepted- in press)
 23. Karyotis T., Panagopoulos A., Celik A., Kassapi K.A., **Tziritis E.**, Demir S. and Bilgin Yildirim H. (2012) Implementation of Nitrates Directive in Turkey. Proceedings of 8th International Soil Science Congress “Land degradation and challenges in soil management, Izmir, Turkey, p.251-255
 24. Panagopoulos A., Kassapi K.A., Arampatzis G., Perleros B., Drakopoulou S., **Tziritis E.**, Chrysafi A., Vrouhakis I., (2012) Assessment of chemical and quantitative status of groundwater systems in pinios hydrological basin- Greece. Proceedings of XI International Conference “Protection and Restoration of the Environment, Thessaloniki, Greece, p.511-517
 25. Panagopoulos A., Arampatzis G., Vrouhakis I., **Tziritis E.**, Kassapi K.A., Chrysafi A.A., Stathaki S. and Zavra A. (2011) Groundwater quality assessment and correlation to anthropogenic activities and natural sources. The case of W. Kopaida, central Greece. Proceedings of the Conference “Integrated Water resources Management Towards Sustainable Development”, Patra, Greece, p.63-68
 26. **Tziritis, E.** and Kelepertsis, A. (2011) Trace and ultra-trace element hydrochemistry of Lesvos thermal springs. Proceedings of 9th International Hydrogeological Conference, Kalavrita Greece vol.2, p.185-194.
 27. **Tziritis, E.** and Evelpidou, N. (2011) Intrinsic vulnerability assessment using a modified PI method: A case study from central Greece. Proceedings of 9th International Hydrogeological Conference, Kalavrita Greece, vol.2, p.343-350.
 28. **Tziritis, E.** (2011) Stable isotope study of a karstic aquifer in central Greece. Composition, variations and controlling factors. Proceedings of 9th International Hydrogeological Conference, Kalavrita Greece, vol.2, p.193-200
 29. **Tziritis, E.**, Kelepertsis, A., Stamatakis, M. (2008) Hydrogeochemical and environmental conditions of the karstic system of the area Eastern Kopaida – Yliki. Proceedings of 8th International Hydrogeological Conference of Greece, p.733-742.
 30. **Tziritis, E.** and Kelepertsis, A. (2007) Hydrogeochemical and isotopic study of the drainage pattern of Kopais basin. Proceedings of 8th Hellenic Geographical Conference, p.478-488
 31. **Tziritis, E.**, Kelepertsis, A., Stamatakis, M. (2007) Hydrogeochemical and environmental study of the groundwater of Chora-Mitilini basins (SE Samos) with the combination of quality factors, geostatistical methods and geological parameters. Proceedings of 8th Hellenic Geographical Conference, p.489-499

Other Publications

1. Kelepertsis, A. and **Tziritis E.**, 2010. Origin, geology and geochemistry of Mpouharia and Nohtaria landforms, in Mikrovaltos Kozani, NW Macedonia – Greece. In: EU Natural Heritage from East to West. Springer-Verlag , p.43-49.
2. **Tziritis, E.**, Vassilopoulos, A., Evelpidou, N., 2008. Soil environmental study of Eastern Kopaida plain and risk assessment of potential hazards. In: Risk assessment and pollution hazards in environmentally sensitive European regions. GRINMED, p. 70-95.
3. Vassilopoulos, A., Evelpidou, N., **Tziritis, E.**, Boglis, A., 2008. WETLANDS – The example of Samos Island. Management of water resources and wetland protection in tourism developing areas. National Center for the

Environment & Sustainable Development, p.1-45.

Theses

1. **Tziritis, E.** 2008. Hydrogeochemical - Environmental study of east Kopaida – Yliki karstic system and assessment of vulnerability with the use of Geoinformatics. PhD thesis, National and Kapodistrian University of Athens, 512p.
2. **Tziritis, E.**, 2004. Environmental attributes of aquifers and implications on the natural and mankind environment – case study : Integrated quality management of the metallic aquifer of Loutraki basin. MSc thesis, National Technical University of Athens, 244p.
3. **Tziritis, E.** and Papanikolaou, G., 2002. Active fault zones of central Greece – development of a multi-parametric data base and information management through G.I.S. system. Diploma thesis, National and Kapodistrian University of Athens, 292p.

Honours and awards

2014 Fellowship for Post Doctoral research in the frame of the EU funded “AgroETAK” project of excellence and innovation in agricultural sector. Hellenic Agricultural Organization

2013 Fellowship (excellence) for Post Doctoral research in "environmental geochemistry". Aristotle University of Thessaloniki, Greece

2012 Winner of the program “Vodafone World of Difference”. Vodafone S.A. Greece

2010 Fellowship (excellence) for Post Doctoral research in “Water and Soil Resources” .State Scholarship Foundation of Greece

2004 Scholarship (1st award) for Doctoral research in “Environmental Geochemistry”. State Scholarship Foundation of Greece

Academic achievements

Lectures

2009-2010 National and Kapodistrian University of Athens, Faculty of Geology and Geo-environment

Adjunct Lecturer at the following courses:

Undergraduate: Geochemistry, Environmental geochemistry, Hydrogeochemistry

Postgraduate: Environmental geochemistry

Reviewer in international scientific journals of SCI

- Water Research (i.f. 5.528)
- Science of the Total Environment (i.f. 4.099)
- Ecological Indicators (i.f. 3.444)
- Journal of Hydrology (i.f. 3.053)
- Water Resources Management (i.f. 2.848)
- Environmental Science and Pollution Research (i.f. 2.828)
- Environmental Impact Assessment Review (i.f. 2.400)
- Journal of Geochemical Exploration (i.f. 2.147)
- Environmental Earth Sciences (i.f. 1.765)
- Environmental Monitoring and Assessment (i.f. 1.679)
- Sustainability (i.f. 1.343)
- Desalination and Water Treatment (i.f. 1.272)
- Environmental Engineering and Management Journal (i.f. 1.049)
- Open Geosciences (i.f. 0.663)
- Journal of Hydrology: Regional Studies
- Applied Water Science
- Environment Development and Sustainability

See the registered list of reviews at: <https://publons.com/author/464578/evangelos-tziritis#profile>

Post-Doctoral Research

- 2014-2015 "Development and application of an innovative method for the assessment of specific aquifer vulnerability to nitrates." Hellenic Agricultural Organization, Soil and Water Resources Institute
- 2013-2014 "Environmental use of zeolites on water resources and sewage effluents." Aristotle University of Thessaloniki, Faculty of Geology
- 2009-2010 "Environmental hydrogeochemical research of Lesvos Island thermal springs." National and Kapodistrian University of Athens, Faculty of Geology and Geo-environment