



Agriculturalist, PhD Candidate
Date of Birth: 30 March 1985
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Education

1) Postgraduate Studies

a) University of Thessaly, 2014

Ph.D. candidate at Department of Civil Engineering, School of Engineering, University of Thessaly.
Ph.D. Dissertation Title: "Assessment and Prediction of Climate Change Impact on Groundwater Resources".
Supervisor: Dr. Nikitas Mylopoulos, Professor.

b) Democritus University of Thrace, 2010 - 2012

Master of Science (MSc) in Environmental Engineering and Science, direction of "Waste Management and Water Resources", Department of Environmental Engineering, School of Engineering, Democritus University of Thrace.
Supervisor: Dr. Christos Petalas, Professor
Master of Science Thesis Title: "Simulation of Groundwater System of the Eastern Basin Hydrogeological Thessaly".
Degree Thesis: 8.78/10
Degree Master of Science: 7.84/10

2) Undergraduate Studies

University of Thessaly, 2003 – 2010

Graduate of the Department of Agriculture, Ichthyology and Aquatic Environment,
School of Agricultural Sciences, University of Thessaly.
Supervisor: Dr. Aris Psilovikos, Professor.
Diploma Thesis Title: "Lake Karla: The Past, the Present and the Future".
Degree Thesis: 10/10
Degree Grade: 6.52/10

Annual Pedagogical Training Program (EPPAIK).

School of Pedagogical Technological Education, 2016- 2017
Grade: 9/10

Scholarships

05/2017 – 09/2019 Co-financed by Greece and the European Union (European Social Fund - ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project “Scholarships programme for post-graduate studies - 2nd Study Cycle” (MIS-5003404), implemented by the State Scholarships Foundation (IKY).

Publications

1) Thesis

- G. Tziatzios (2010): “Lake Karla: The Past, the Present and the Future”. Diploma Thesis, Department of Agriculture, Ichthyology and Aquatic Environment, School of Agricultural Sciences, University of Thessaly (in Greek).
- G. Tziatzios (2012): “Simulation of groundwater system of the Eastern Basin hydrogeological Thessaly”. Master Thesis, Department of Environmental Engineering, School of Engineering, Democritus University of Thrace (in Greek).

2) Papers in International Referred Journal

- P. Sidiropoulos, **G. Tziatzios**, L. Vasiliades, N. Mylopoulos and A. Loukas (2019). “Groundwater Nitrate Contamination Integrated Modeling for Climate and Water Resources Scenarios: The Case of Lake Karla Over-Exploited Aquifer”. *Water* 2019, 11(6), 1201. <https://doi.org/10.3390/w11061201>
- A. Alamanos, D. Latinopoulos, S. Xenarios, **G. Tziatzios**, N Mylopoulos and A. Loukas (2019). “Combining Hydro-Economic and Water Quality Modeling for Optimal Management of a Degraded Watershed”. *Journal of Hydroinformatics* (accepted for publication)

3) Papers in Referred Proceedings of International and National Conferences

- **Georgios Tziatzios**, Pantelis Sidiropoulos, Lampros Vasiliades, Nikitas Mylopoulos and Athanasios Loukas “Simulation of Nitrate Contamination in Lake Karla Aquifer”. *14th International Conference on Environmental Science and Technology (CEST2015)*, 3-5 September 2015, Rhodes, Greece.
- Vasiliades L, Sidiropoulos P, Tzabiras J, Kokkinos K, Spiliotopoulos M, Papaioannou G, Fafoutis C, Michailidou K, **Tziatzios G**, Loukas A, Mylopoulos. Hydromentor: an integrated water resources monitoring and management system at modified semi-arid watersheds. EGU general assembly 2015. Geophys Res Abstr 17: EGU2015–EG14138.
- **Tziatzios G.**, Sidiropoulos P., Vasiliades L, Mylopoulos N., Loukas A. “Simulation of Nitrate Contamination in Lake Karla Aquifer”. *14th International Conference on Environmental Science and Technology (CEST2015)*, 3-5 September 2015, Rhodes, Greece.
- Vasiliades L, Sidiropoulos P, Tzabiras J, Kokkinos K, Spiliotopoulos M, Papaioannou G, Fafoutis C, Michailidou K, **Tziatzios G**, Loukas A, Mylopoulos N. Hydromentor: an integrated water resources monitoring and management system at modified semi-arid watersheds. EGU general assembly 2015. Geophys Res Abstr 17: EGU2015–EG14138.
- **Tziatzios G**, Sidiropoulos P, Vasiliades L, Tzabiras J, Papaioannou G, Mylopoulos N, Loukas A. Effects of climate change on groundwater nitrate modelling. In Proceedings of the 14th Protection and Restoration of the Environment PRE2018, Thessaloniki, Greece, July 3-6, 2018.
- Sidiropoulos P, **Tziatzios G**, Vasiliades L, Papaioannou G, Mylopoulos N, Loukas A. Modeling Flow and Nitrate Transport in an Over-Exploited Aquifer of Rural Basin Using an Integrated System: The Case of Lake Karla Watershed. Proceedings.2018; 2(11):667. <https://doi.org/10.3390/proceedings2110667>
- G. Tziatzios, P. Sidiropoulos, L. Vassiliadis, I. Tzambyras, A. Alamanos, N. Mylopoulos, A. Loukas (2018). "Quantitative and Qualitative Assessment of the Impact of Climate Change on the Lake Karla Aquifer", International Conference: Pinios River: Source of Life and Development in Thessaly, Larissa, Greece, November 2-3, 2018.
- P. Sidiropoulos, **G. Tziatzios**, L. Vasiliades, N. Mylopoulos and A. Loukas (2019). “Nitrate concentration and transport simulation of a rural basin aquifer under the strict compliance to the E.U. Nitrates Directive (91/676/EEC)”. Proceedings of the 110 World EWRA Congress «Managing Water Resources for a Sustainable Future», Madrid, 25-29 June 2019 edited by Luis Garrote, George Tsakiris, Vasilios A. Tsihrintzis, Harris Vangelis and Dimitris Tigkas, pages 367-368.

- P. Sidiropoulos, **G. Tziatzios**, L. Vasiliades, N. Mylopoulos and A. Loukas (2019). “Agronomic and Groundwater Nitrate Contamination Modelling in Rural Basin, Central Greece». Proceedings of the 11^o World EWRA Congress «Managing Water Resources for a Sustainable Future”, Madrid, 25-29 June 2019 edited by Luis Garrote, George Tsakiris, Vasilios A. Tsihrintzis, Harris Vangelis and Dimitris Tigkas, pages 377-378.

4) Chapters in Books (Critical reviews)

- Arvanitoyannis Ioannis, *Irradiation of Food Commodities*, **ISBN 13: 978-0-12-374718-1**, (co- author of chapter 10 entitled “Proteins”).
- Arvanitoyannis Ioannis, *Modified Atmosphere and Active Packaging Technologies*, **ISBN 13: 9781439800447** (co- author of chapter 7 entitled “Milk and Dairy Products”).

Participation in Research Projects

- 11/2015 - 03/2016** 1) “Development of an Integrated System for the Water Resources Quality and Quantity Monitoring and Management of Agricultural Watersheds Under Climate Change Conditions. Application to Lake Karla Watershed (HYDROMENTOR)”, General Secretariat for Research and Technology. National Action “Cooperation”, Coordinator: Professor Athanasios Loukas, Scientific Responsible: Professor Nikitas Mylopoulos
Budget: 450,000 € (2011-2014).

Professional Experience

- 10/2013 –02/2014** Internship 450 hours in the program “Check Entry for Youth Aged from 25 to 29 Years in Private Business to obtain Work Experience” “Agrotorama” Theodore K. Bourita, Aristeidou 20 Str, 41222 Larissa, Greece.

Foreign Languages

English: First Certificate in English (Lower of Cambridge).

Other Skills

- Research Member of the Laboratory of Hydrology and Aquatic Systems Analysis
Department of Civil Engineering, University of Thessaly (2014 -)
- Member of Geotechnical Chamber of Greece

Operating/Software Systems Knowledge

1. Operating System: Windows
2. Software System: Microsoft Office, Visual Modflow, GMS, ArcGis (ArcMap, ArcView).