

NERANTZIS A. KAZAKIS
GEOLOGIST
Dr. HYDROGEOLOGIST
(Aristotle University of Thessaloniki)



CURRICULUM VITAE (CV)

Thessaloniki 2021

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1 GENERAL INFORMATION

Surname:	Kazakis
Name:	Nerantzis
Father's name:	Athanasios
Mother's name:	Evanthia
Place of Birth:	Thessaloniki, Greece
Date of Birth:	29-12-1982
Marital Status:	Married (three children)
Military obligations:	2013: Mechanic – Directorate of Military Projects D.S.E. 737 specialty: Scientist - Geologist
Contact:	<i>Email:</i> kazakis@geo.auth.gr kazanera@yahoo.com <i>Skype:</i> nerantzis.kazakis <i>Tel.:</i> 6942411653 / 2392071470
Website:	https://www.researchgate.net/profile/Nerantzis_Kazakis https://publons.com/author/1291827/nerantzis-kazakis#profile
Scientific Web channel:	Open Hydrogeology https://www.youtube.com/channel/UCNnWU7Usg8jvCoV4L-HC28g?view_as=subscriber
Address:	Pavlou Mela 18, Neo Risio, Themi, 57001, Greece
Present post:	Research Associate and Teaching Assistant: Aristotle University of Thessaloniki, Department of Geology Research Associate and Teaching Assistant: Democritus University of Thrace, School of Civil Engineering Research Associate "Guest": University of Caserta "Luigi Vanvitelli" with the Professor of Hydrogeology Micol Mastrocicco. Professional license holder in Greece: Categories 20 & 27 Editorial Broad: Science of the Total Environment (Elsevier) Editorial Broad: Data in Brief (Elsevier) Guest Editor: Environments (MDPI)

2 STUDIES

- 2000 Graduation from High school (1o General high school of Thessaloniki).
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- 2006 Diploma of Geology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH), grade 7.46/10. Diploma thesis in Hydrogeology and applied geophysics (title: **Determination of aquifers structure in the area of Lakka**). (Supervisor: Konstantinos Voudouris)
-
- 2008 MSc in Hydrogeology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH) in the Master program "Applied and Environmental Geology" with overall mark 9.60/10. Master thesis titled "**Groundwater vulnerability assessment in Florina basin, Greece**". (Supervisor: Konstantinos Voudouris)
-
- 2013 Ph.D. in Hydrogeology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH). PhD Thesis title "**Groundwater pollution risk assessment in Anthemountas basin**" and I was awarded the PhD degree with top excellent grade. (Presentation date: 4/2013, ND: 37570, Supervisor: Konstantinos Voudouris)
-
- 2014/2016 Post Doc research in Hydrogeology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH). Post Doc Research title "**Process and release mechanisms of Arsenic in Groundwater of Anthemountas basin**" (Supervisor: Konstantinos Voudouris)
-
- 2016 MSc in Groundwater Engineering at School of Civil Engineering at Democritus University of Thrace (D.U.Th.), grade 9.92/10. Master thesis titled "**Coupling groundwater simulation model and water quality index for water resources management. An application in Galatista Basin**" (Supervisor: Fotios-Konstantinos Pliakas).
-
- 2016/2017 Post Doc research in Hydrogeology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH). Post Doc Research title "**Assessment of seawater intrusion vulnerability of coastal aquifers using intelligent techniques**" (Supervisor: Konstantinos Voudouris)
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- 2017/2018 Post Doc research in Karst Hydrogeology at the School of Hydrogeology at University D' Avignon (France). Post Doc Research title "**Assessment of groundwater vulnerability and simulation of the Karst aquifer of Damasiou Tyrnavou**" (Supervisor: Konstantinos Chalikakis)
-
- 2019/2021 Post Doc research in Hydrogeology at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH). Post Doc Research title "**Origin of Uranium in**
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groundwater of Eastern Chalkidiki" (Supervisor: Konstantinos Voudouris)

2.1 LANGUAGES





	UNDERSTANDING		SPEAKING	WRITING	
	Listening	Reading	Spoken interaction	Listening	Reading
English	C2	C2	C2	C2	C2
	1) Certificate of Proficiency in English (CPE) (University of Michigan) 2) First Certificate in English (University of Cambridge)				

3 SCHOLARSHIPS - AWARDS – DISTINCTIONS

3.1 Scholarships



2007	Fellowship of the State Scholarship Foundation for Master Thesis in Higher Education Institutions (HEIs) domestic education at the field of "Soil and Water Resources".	
2008/2013	Fellowship of the State Scholarship Foundation for PhD in Higher Education Institutions (HEIs) domestic education at the field of "Soil and Water Resources".	
2014/2015	Fellowship of the State Grants Foundation for Postdoctoral Research in IKY Excellence Program – Siemens 2014-2015.	
2016/2017	Fellowship of the State Grants Foundation for Postdoctoral Research in IKY Excellence Program – Siemens 2016-2017.	
2017/2018	Fellowship for Postdoctoral Research at the Department of Hydrogeology, University of Avignon, France «Séjours Scientifiques de Haut Niveau».	
2019/2021	Fellowship of the State Grants Foundation for Postdoctoral Research in IKY "Support of Post Doc Research 2 nd Part".	

3.2 Awards

2006	Emporiki Bank Excellence Award for Undergraduate Performance in 2005-2006.	
2011	Award for Excellence & Innovation for PhD by Research Committee of Aristotle University.	
2014	Environmental Awareness: Young scientist's research in Greece for my PhD at the ECOPOLIS Environmental Awareness Awards, organized by Ecocity.	
2017	Award of Ioannis Papakis from Hellenic Committee of Hydrogeology for my MSc with title «Coupling groundwater simulation model and water quality index for water resources management. An application in Galatista Basin».	

3.3 Distinctions

2006	1st Graduate in the November 2006 graduation series from the Department of Geology, School of Sciences, Aristotle University of Thessaloniki.	
2013	Doctor of Science , Aristotle University of Thessaloniki (Department of Geology).	
2016	1st Graduate in the MSc Program in Hydraulic Engineering of DUTH with a grade of Excellent (9.92).	
2016-2017	Election for undergraduate lesson teaching of Sanitary landfill – Environmental Hydrogeology at Geology Department of Aristotle University of Thessaloniki (A.U.TH) in the framework of the project « <i>Acquisition of Academic Teaching Experience in New Scientists PhD holders at Aristotle University of Thessaloniki 2016-2017</i> ».	
2017-2018	Election for undergraduate lesson teaching of Sanitary landfill– Environmental Hydrogeology at Geology Department of Aristotle University of Thessaloniki (A.U.TH) in the framework of the project « <i>Acquisition of Academic Teaching Experience in New Scientists PhD holders at Aristotle University of Thessaloniki 2017-2018</i> ».	
2018-2019	Election for teaching Applied Geology courses of undergraduate curriculum (courses: Landfill and Topics in Geology) at Geology Department of Aristotle University of Thessaloniki (A.U.TH) in the framework of the project « <i>Acquisition of Academic Teaching Experience in New Scientists PhD holders at Aristotle University of Thessaloniki 2018-2019</i> ».	
2019-2020	Election for teaching Applied Geology courses of undergraduate curriculum (courses: Landfill and Topics in Geology) at Geology Department of Aristotle University of Thessaloniki (A.U.TH) in the framework of the project « <i>Acquisition of Academic Teaching Experience in New Scientists PhD holders at Aristotle University of Thessaloniki 2019-2020</i> ».	

2020	Inclusion in the updated list of 100,000 top scientists of the world for the year 2019 "Updated science-wide author databases of standardized citation indicators" and 2% of the top scientists for the year 2019 in the subfield "Environmental Sciences" with a ranking of 744 th at 66,925 (https://data.mendeley.com/datasets/btchxktzyw/2).	
2020-2021	Election for teaching Applied Geology courses of undergraduate curriculum (courses: Environmental Hydrogeology and Topics in Geology) at Geology Department of Aristotle University of Thessaloniki (A.U.TH) in the framework of the project « <i>Acquisition of Academic Teaching Experience in New Scientists PhD holders at Aristotle University of Thessaloniki 2020-2021</i> ».	

3.5 Recognition

2016	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Solar Energy</i> as « Recognized reviewer ».	
2016	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Hydrology</i> as « Recognized reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Applied Geochemistry</i> as « Recognized reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Hydrology</i> as « Outstanding reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Geochemical Exploration</i> as « Recognized reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Taibah University for Science</i> ως « Recognized reviewer ».	
2017	Recognition from <i>IOP</i> for my peer review service in the <i>Journal of Environmental Research Letters</i> as « Outstanding reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Hazardous Materials</i> as « Recognized reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Science of the Total Environment</i> as « Outstanding reviewer ».	
2017	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Hazardous Materials</i> as « Outstanding reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of MethodsX</i> as « Recognized reviewer ».	

2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Egyptian Journal of Aquatic Research</i> as « Recognized reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of MethodsX</i> as « Outstanding reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Cleaner Production</i> as « Recognized reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Data in Brief</i> as « Recognized reviewer ».	
2018	Recognition from publons platform to the best reviewers of the magazine Water from MDPI.	
2018	Recognition from publons platform to the best reviewers of the category Multidisciplinary .	
2018	Recognition from publons platform to the best reviewers of the category Environment/Ecology .	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Data in Brief</i> as « Outstanding reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Environmental Pollution</i> as « Recognized reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Cleaner Production</i> as « Outstanding reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Remote Sensing Application</i> as « Recognized reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Operations Research Perspectives</i> as « Recognized reviewer ».	
2018	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of African Earth Sciences</i> as « Recognized reviewer ».	

2019	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Environmental Sciences</i> as « Recognized reviewer ».	
2019	Recognition from <i>Elsevier</i> for my peer review service in the <i>Journal of Hydrology: Regional Studies</i> as « Recognized reviewer ».	
2019	Recognition from publons platform to the best reviewers of the category Cross-Field .	
2019	Recognition from publons platform to the best reviewers of the category Environment and Ecology .	
2020	Recognition from Elsevier for my peer review service in the <i>Journal of Water Research</i> as « Recognized reviewer ».	
2020	Recognition from Elsevier for my peer review service in the <i>Journal of Environmental Nanotechnology, Monitoring and Management</i> as « Recognized reviewer ».	
2020	Recognition from Elsevier for my peer review service in the <i>Journal of Contaminant Hydrology</i> as « Recognized reviewer ».	

4 TEACHING EXPERIENCE

Europe	
2017	Visiting Lecturer: Hydrogeology in Seminars "Il destino dei contaminanti tra canali, zona vadose e falde" University of Caserta " Luigi Vanvitelli "
Greece	
Independent Teaching	
2020-2021	<p>i. Independent teaching in the Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki of the eight semester's elective course «Environmental Hydrogeology – Landfills». Specifically: <i>Landfill Operation, Geological, Hydrogeological and Spatial suitability criteria for landfill. Impacts. Geotechnical problems in the construction and operation of landfills. Grading of Landfill Eligibility Criteria. Landfill regeneration, Groundwater movement, Groundwater quality, Sources and diffusion of pollution, Groundwater vulnerability.</i></p> <p>ii. Independent teaching in the Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki of the eight semester's elective course «Topics in Geology». <i>During the course contemporary Geology topics relative to the science of Geology are given with emphasis on Hydrogeology, Technical Geology, Tectonic Geology etc.</i></p>
2019-2020	<p>Independent teaching in the Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki of the eight semester's elective course «Environmental Hydrogeology – Landfills». Specifically: <i>Landfill Operation, Geological, Hydrogeological and Spatial suitability criteria for landfill. Impacts. Geotechnical problems in the construction and operation of landfills. Grading of Landfill Eligibility Criteria. Landfill regeneration, Groundwater movement, Groundwater quality, Sources and diffusion of pollution, Groundwater vulnerability.</i></p> <p>Independent teaching in the Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki of the eight semester's elective course «Topics in Geology». <i>During the course contemporary Geology topics relative to the science of Geology are given with emphasis on Hydrogeology, Technical Geology, Tectonic Geology etc.</i></p>

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- 2018-2019
- i. Independent teaching in the **Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki** of the eight semester's elective course «**Environmental Hydrogeology – Landfills**». Specifically: *Landfill Operation, Geological, Hydrogeological and Spatial suitability criteria for landfill. Impacts. Geotechnical problems in the construction and operation of landfills. Grading of Landfill Eligibility Criteria. Landfill regeneration, Groundwater movement, Groundwater quality, Sources and diffusion of pollution, Groundwater vulnerability.*
 - ii. Independent teaching in the **Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki** of the eight semester's elective course «**Topics in Geology**». *During the course contemporary Geology topics relative to the science of Geology are given with emphasis on Hydrogeology, Technical Geology, Tectonic Geology etc.*
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- 2017-2018
- i. Independent teaching in the **Post Graduated Courses in the Department of Geology of Aristotle University of Thessaloniki** of the eight semester's elective course «**Environmental Hydrogeology – Landfills** ». Specifically: *Landfill Operation, Geological, Hydrogeological and Spatial suitability criteria for landfill. Impacts. Geotechnical problems in the construction and operation of landfills. Grading of Landfill Eligibility Criteria. Landfill regeneration, Groundwater movement, Groundwater quality, Sources and diffusion of pollution, Groundwater vulnerability.*
 - ii. Independent teaching in the **Master Program in Hydraulic Engineering and Environment in School of Civil Engineering of the Democritus University of Thrace** in the second semester of the elective course "**Techniques and Tools for the Development of models for Water Resources Protection and Natural Disasters Prevention**". Specifically: *Vulnerability and Risk of Groundwater, Groundwater Management with focus on Groundwater, Analytical Hierarchical Analysis, Sensitivity Analysis, Correlation Coefficients (Pearson, Spearman, Kendal), Remote Sensing and Image Analysis Techniques, Geographic Information Systems Tools (raster calculator, interpolation methods, flow accumulation, Groundwater-Darcy's velocity model, etc.).*
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- 2016-2017
- i. Independent teaching in the **Undergraduate Curriculum of the**
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Department of Geology of the Aristotle University of Thessaloniki of the eight semester's elective course «**Environmental Hydrogeology – Landfills**». Specifically: *Landfill Operation, Geological, Hydrogeological and Spatial suitability criteria for landfill. Impacts. Geotechnical problems in the construction and operation of landfills. Grading of Landfill Eligibility Criteria. Landfill regeneration, Groundwater movement, Groundwater quality, Sources and diffusion of pollution, Groundwater vulnerability.*

- ii. Independent teaching in the **Master Program in Hydraulic Engineering and Environment in School of Civil Engineering of the Democritus University of Thrace** in the second semester of the elective course "**Techniques and Tools for the Development of models for Water Resources Protection and Natural Disasters Prevention**". Specifically: *Vulnerability and Risk of Groundwater, Groundwater Management with focus on Groundwater, Analytical Hierarchical Analysis, Sensitivity Analysis, Correlation Coefficients (Pearson, Spearman, Kendal), Remote Sensing and Image Analysis Techniques, Geographic Information Systems Tools (raster calculator, interpolation methods, flow accumulation, Groundwater-Darcy's velocity model, etc.).*

Co-Teaching

- i. Co-Teaching with K. Voudouris, T. Kaklis, C. Mattas of the first semester compulsory course «**Hydrogeological Principles**» in the Master's Degree Program in «Applied and Environmental Geology» of the specialty «Technical Geology and Environment» of the Department of Geology A.U.Th. (*Teaching subject: Groundwater simulation models, geological formations as aquifers*)
- 2019-2020 ii. Co-Teaching with K. Voudouris, T. Kaklis, M. Papachristou of the first semester elective course «**Design of Hydroelectric Works and Sustainable Development**» in the Postgraduate Program «Applied and Environmental Geology» in the specialty of Geology and Environmental Technology A.U.Th. . (*Teaching subject: Spring exploitation*)
- iii. Co-Teaching with K. Voudouris, C. Mattas of the second semester compulsory course «**Technical Geology and Contaminated Soil Management**» in the Master's Degree Program in «Applied and Environmental Geology» in the specialty of Geology and Environmental

Technology A.U.Th. .

- iv. Co-Teaching with F.K. Pliakas and I. Diamandi in the Master's Degree Program in Hydraulic and Environmental Studies in School of Civil Engineering of Democritus University of Thrace for the compulsory second semester course «**Specific Groundwater Exploration and Management Issues**». *Teaching arithmetic simulation models of groundwater.*
- v. Co-Teaching with F.K. Pliakas in the Master's Degree Program in «Hydraulic Engineering and Environment» in School of Civil Engineering of Democritus University of Thrace of the second semester compulsory course «**Techniques and Tools for the Development of models for Water Resources Protection and Natural Disasters Prevention**». Teaching subject: *Vulnerability and Risk of Groundwater, Groundwater Management with focus on Groundwater, Detailed Hierarchical Analysis, Sensitivity Analysis, Coefficients (Pearson, Spearman, Kendal), Remote Sensing and Satellite Image Analysis Techniques, Geographic Information Systems Tools (raster calculator, interpolation methods, flow accumulation, Groundwater-Darcy's velocity model, etc.).*

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- i. Co-Teaching with K. Voudouris, T. Kaklis, C. Mattas of the first semester compulsory course «**Hydrogeological Principles**» in the Master's Degree Program in «Applied and Environmental Geology» of the specialty «Technical Geology and Environment» of the Department of Geology A.U.Th. (Teaching subject: Groundwater simulation models, geological formations as aquifers)
 - ii. Co-Teaching with K. Voudouris, T. Kaklis, M. Papachristou of the first semester elective course «**Design of Hydroelectric Works and Sustainable Development**» in the Postgraduate Program «Applied and Environmental Geology» in the specialty of Geology and Environmental Technology A.U.Th. (*Teaching subject: Spring Exploitation*).
 - iii. Co-Teaching with B. Marinos, T. Makedon, T. Kaklis of the compulsory second semester course «**Professional Practice in Technical Geology - Presentations of Professional Issues**» in the Master's Degree Program «Applied and Environmental Geology» in the specialty of Geology and Environmental Technology A.U.Th. .
 - iv. Co-Teaching with K. Voudouris, C. Mattas of the second semester

compulsory course «**Technical Geology and Contaminated Soil Management**» in the Master's Degree Program in «Applied and Environmental Geology» in the specialty of Geology and Environmental Technology A.U.Th. .

- v. Co-Teaching with F.K. Pliakas and I. Diamandi in the Master's Degree Program in Hydraulic and Environmental Studies in School of Civil Engineering of Democritus University of Thrace for the compulsory second semester course «**Specific Groundwater Exploration and Management Issues**». *Teaching arithmetic simulation models of groundwater.*
- vi. Co-Teaching with F.K. Pliakas in the Master's Degree Program in «Hydraulic Engineering and Environment» in School of Civil Engineering of Democritus University of Thrace of the second semester compulsory course «**Techniques and Tools for Development of Water Resources Protection Techniques, Prevention of Natural Disasters**». Teaching subject: *Vulnerability and Risk of Groundwater, Groundwater Management with focus on Groundwater, Detailed Hierarchical Analysis, Sensitivity Analysis, Coefficients (Pearson, Spearman, Kendal), Remote Sensing and Satellite Image Analysis Techniques, Geographic Information Systems Tools (raster calculator, interpolation methods, flow accumulation, Groundwater-Darcy's velocity model, etc.).*

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- i. Co-Teaching with K. Voudouris, V. Marinou and T. Kaklis in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the first semester compulsory course «**Hydrogeological Principles**».
 - ii. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the second semester compulsory course «**Land Use and Groundwater Pollution**».
 - iii. Co-Teaching with F.K. Pliakas and I. Diamandi in the Postgraduate Program in Hydraulic and Environmental Studies of the Department of Civil Engineering of the Democritus University of Thrace for the compulsory second semester course «**Specific Groundwater Exploration and Management Issues**». *Teaching arithmetic simulation models of groundwater.*
 - iv. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the first semester course

2017-2018

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- «**Isotopic Hydrology – Tracing**» (lectures on applications of isotopic measurements in hydrogeology).
- v. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of second semester compulsory course «**Underground Aquifer Operation and Management**» (lectures on underground aquatic tracing applications).
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- i. Co-Teaching with K. Voudouris, V. Marinos and T. Kaklis in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the first semester compulsory course «**Hydrogeological Principles**».
- ii. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the second semester compulsory course «**Land Use and Groundwater Pollution**».
- iii. Co-Teaching with F.K. Pliakas and I. Diamandi in the Postgraduate Program in Hydraulic and Environmental Studies of the Department of Civil Engineering of the Democritus University of Thrace for the compulsory second semester course «**Specific Groundwater Exploration and Management Issues**». *Teaching arithmetic simulation models of groundwater.*
- iv. Co-Teaching with I. Leontaridou, K. Voudouris and M. Papachristou in the Interdisciplinary Postgraduate Program «Organization, Management and Therapeutic Practices of Wellness Units and SPA» of the Departments of Aesthetic & Cosmetic Forensic Medicine and Cosmetology Alexandrian Technological Institute of Thessaloniki of the second semester compulsory course «**Natural healing resources**».
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- i. Co-Teaching with K. Voudouris, V. Marinos and T. Kaklis in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the first semester compulsory course «**Hydrogeological Principles**».
- ii. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the second semester compulsory course «**Land Use and Groundwater Pollution**».
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- i. Co-Teaching with K. Voudouris, V. Marinos and T. Kaklis in the Master's Degree Program in Applied and Environmental Geology of the A.U.Th. of the first semester compulsory course «**Hydrogeological Principles**».
- ii. Co-Teaching with K. Voudouris in the Master's Degree Program in Applied

and Environmental Geology of the A.U.Th. of the second semester compulsory course «**Land Use and Groundwater Pollution**».

- iii. Co-Teaching with K. Voudouris and N. Theodossiou in the Postgraduate Program DPMS «Ecological Quality and Water Management at Watershed Level» Dept. of Biology, Geology and Civil Engineering of the A.U.Th. of the compulsory course «**Water System Restoration-Module: Vulnerability of Groundwater**».

Assistance in Laboratory Lessons

Assistant in laboratory lessons at the School of Geology at the Aristotle University of Thessaloniki (A.U.TH):

- 2008-2013**
- **Hydrogeology** (2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013)
 - **Exploitation and management of groundwater** (2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013)
 - **Didactics of Geology** (2011-2012, 2012-2013)

Environmental Education

- 2011**
- Environmental Education «Vertiskos Springs»** of High School of Polichni Thessaloniki in the Environmental Center of Vertiskos.

Staff Education

- 2012-2013**
- G.I.S. Seminars to the staff of the Water Company of Thermaikos in the framework of the project «**Water resources research in the municipality of Thermaikos, Thessaloniki**».

4.1 Assistant supervisor in undergraduate and postgraduate work

As a PhD student, Post Doc researcher and Teaching Assistant in Master programs of Aristotetle University of Thessaloniki (A.U.Th.) and Democritus University of Thrace (D.U.Th), I have assisted in the supervising of the following graduated Students' Theses and Master theses:

- 19 Master theses
- 18 Graduated Students' Theses

Master theses

1. Assessment of groundwater vulnerability in Gallikos basin using Drastic method. (Master student: G. Katikaridis, **2010**, School of Geology, A.U.Th.)
2. Aquifer characterization in Angelochori area using hydrogeophysical methods. (Master student: O. Kesoglou, **2011**, School of Geology, A.U.Th.)

3. The impacts of Urbanization in groundwater resources of Peraia. (Master student: E. Stavrakidou, **2011**, School of Geology, A.U.Th.)
4. Laboratory and field test for hydraulic conductivity calculation in the vadose zone of Anthemountas basin. (Master student: G. Zafeiropoulos, **2012**, School of Geology, A.U.Th.)
5. Hydrogeological regime and water resource management of municipality of Thermaikos. (Master student: E. Liami, **2014**, School of Geology, A.U.Th.)
6. Assessment of climate change impacts on groundwater resources using climatic and groundwater simulation models. (Master student: P. Venetsanou, **2014**, School of Geology, A.U.Th.)
7. Contribution of Geographical Information Systems and Remote Sensing in hydrogeology in the region of Larissa – Tyrnavo. (Master student: S. Dimogianni, **2014**, School of Geology, A.U.Th.)
8. Environmental and geochemical research of soils and groundwater in the area of Velestino for aquifer pollution susceptibility assessment. (Master student: A. Mpampatsikou, **2016**, School of Geology, A.U.Th.)
9. Flood hazard assessment in the region of Pieria. (Master student: M. Mavraki, **2016**, School of Geology, A.U.Th.)
10. Validation of DRASTIC method using statistical methods in the Florina basin. (Master student: M. Mandrali, **2017**, School of Geology, A.U.Th.)
11. Temporal variability of hydrological parameters and impacts on groundwater resources (Master student: E. Gavriilidou, **2017**, School of Geology, A.U.Th.)
12. Seawater intrusion assessment in the coastal area of Sozopoli, Northern Greece. (Master student: M. Ntona, **2017**, School of Geology, A.U.Th.)
13. Hydrogeological conditions in the Flamouria basin of Edessa. (Master student: M. Bannenberg, **2018**, School of Geology, A.U.Th.)
14. Mineralogical, mineral-chemical and geochemical study of phosphorites of Ioannina (Greece) and their environmental aspect. (Master student: Ch. Krikoni, **2018**, School of Geology, A.U.Th.)
15. Contribution to the development of conceptual models for groundwater systems in the island of Rhodes. Application of the GALDIT method. (Master student: Z. Mavriou, **2018**, Department of Civil Engineering DUTH)
16. Hydrogeological conceptualization of the coastal aquifer of Axios River Delta. (Master student: Almpanidou Despoina 2020, Department of Civil Engineering DUTH)

17. Application of DPSIR framework in Kozani region, Northern Greece. (Master student: Evaggelia Theodoridou 2021, Department of Civil Engineering DUTH)
18. Model development for borehole site suitability. (Master student: Germatzidou Anna-Maria 2021, Department of Civil Engineering DUTH)
19. Water resource analysis in the framework of DPSIR model. The case study of Sithonia Peninsula Chalkidiki. (Master student: Parastatidou Elena 2021, Department of Civil Engineering DUTH)

Graduated Students' Theses

1. Groundwater level fluctuation in the area of Metro in Thessaloniki. (Undergraduate student: D. Apostolaki, **2009**, School of Geology, A.U.Th.)
2. Hydrogeological research of Epanomi area. (Undergraduate student: F. Deli, **2009**, School of Geology, A.U.Th.)
3. Groundwater level fluctuation and groundwater quality in the area of Aggelochori. (Undergraduate student: P. Dontsiou, **2011**, School of Geology, A.U.Th.)
4. Hydrogeological research in municipal districts of Peraia, N. Epivates and Ag. Triada in municipality of Thermaikos. (Undergraduate student: M. Spyrou, **2011**, School of Geology, A.U.Th.)
5. Determination of aquifer in Peraia area using geoelectrical methods. (Undergraduate student: A. Kasinos, **2012**, School of Geology, A.U.Th.)
6. Evaluation of pumping tests and lithological profiles from drills in Peraia. (Undergraduate student: M. Kirlas, **2012**, School of Geology, A.U.Th.)
7. Determination of hydrogeological regime in Lakka area using geoelectrical methods (Undergraduate students: G. Charalambakis and E. Geladari, **2012**, School of Geology, A.U.Th.)
8. Comparison of hydraulic conductivity of the vadose zone in Galarinos area using laboratory tests and field tests. (Undergraduate student: E. Zavridou, **2012**, School of Geology, A.U.Th.)
9. Groundwater vulnerability assessment of Kiti aquifer in Cyprus (Undergraduate students: E. Zinonos and E. Zouvani, **2013**, School of Geology, A.U.Th.)
10. Dam location suitability assessment in the area of N.Risio-Plagiari using hydrogeological criteria. (Undergraduate student: M. Ntona, **2015**, School of Geology, A.U.Th.)

11. Dam location suitability assessment in Galatista basin using hydrogeological criteria. (Undergraduate student: M. Bannenberg, **2016**, School of Geology, A.U.Th.)
12. Application of the GALDIT method for estimating vulnerability of seawater penetration in the coastal section of Epanomi. (Undergraduate student: A. Pentzidou, **2018**, School of Geology, A.U.Th.)
13. Assessment aquifer vulnerability to external pollution in the Aggelochori area. (Undergraduate student: A. Stathi, **2018**, School of Geology, A.U.Th.)
14. Quantitative and qualitative changes in the water sources of Agia Paraskevi. (Undergraduate student: M. Kaiopoulou, **2018**, School of Geology, A.U.Th.)
15. Delineation of suitable sites for landfill in a selected area of Halkidiki Prefecture using geographical information systems/G.I.S. (Undergraduate student: E. Parastatidou, **2018**, School of Geology, A.U.Th.)
16. Seawater intrusion issues in coastal aquifers. The example of Greece and Palestine. (Undergraduate student: Anastasia Nassar, **2020**, School of Geology, A.U.Th.)
17. Spring water quality and quantity variation in the Karst springs in Anthemountas basin (Undergraduate student: Apostolis Tsoutanis, **2020**, School of Geology, A.U.Th.)
18. Hydrogeological conditions in the Asvestochori region Northern Greece. (Undergraduate student: Theodora Chatzinaum, **2020**, School of Geology, A.U.Th.)

4.2 Supervision of works in the context of Topics in Geology course

1. Anthropogenic chromium in the underground waters of Greece. A. Tsoutanis, **2019**, Τσουτάνης Απόστολος, **2019**, School of Geology, A.U.Th.
2. Applications of Unmanned Aircraft Systems (Drone) in Applied Geology. E. Giataganas, **2019**, School of Geology, A.U.Th.
3. Impact of climate change on coastal aquifers. A. Nassar, **2019**, School of Geology, A.U.Th.
4. The tectonic approach to solving hydrogeological problems. E. Rotiris, **2019**, School of Geology, A.U.Th. (Collaborating with Mr Tranos Markos)
5. Strategies for tackling groundwater depletion. G. Klotsouthimios, **2019**, School of Geology, A.U.Th.
6. Can Isotopic analysis be used to determine the origin of pollutants in groundwater? M. Kokkalidou, **2019**, School of Geology, A.U.Th.
7. Applications of Unmanned Aircraft Systems (Drone) in Hydrogeology. P. Dimopoulos, **2020**, School of Geology, A.U.Th.

8. Methods for assessment of groundwater vulnerability assessment in fissured rock aquifers. Xatzinaum Th. **2020**, School of Geology, A.U.Th.
9. Techniques and methods for delineation of protection zones in wells and springs. S. Devetzi, **2020**, School of Geology, A.U.Th.

5 PROFESSIONAL EXPERIENCE

2007 -today Research Assistant in National, European and International Projects.

2011 -today Hydrogeologist.

2013 Consultant Scientist in department of Mechanics Greek Army (5 months)

5.1 Surveys

2011 Recording of wells, boreholes, springs and groundwater level measurements in Sarigkiol basin. **Funded from Tero.**

2012 Hydrogeological Survey in municipal district of Mouresiou. For the support of the study: Drainage and sewage treatment plant of Tsagarada, coastal front (Agios Ioannis, Papa Nero, Damouchari and Kissou) of Zagoras - Mouresiou Municipality. **Funded by municipal of Zagoras-Mouresiou.**

2014 Environmental study for the existing water supply network of the municipal district of Michaniona. **Funded by Municipality of Thermaikos.**

2017 Hydrogeological-Geological study/expertise on interventions at the Karstic spring Goura (Karditsa). **Preparation for the AHB group (Theoni bottling Company).**

2018 Hydrogeological - Geological study of pig farm sewage disposal in Triglia, Halkidiki. **Preparation for HALKIDIKI FARM UNIT S.A.**

5.2 Consulting

2016 Advisory work on groundwater simulation models in the Scientific Committee on Environmental Term D.1.39 of JMD 201745/2011 on Mining Activities in Halkidiki Skouries of Hellenic Gold SA. Project Assignment Contract: "Evaluation of the groundwater numerical model of the Pre-drainage and Recharge of surplus water Quantity System in mining activities".

2017 Advisory work on the monitoring of the qualitative and quantitative characteristics of groundwater and surface water in the Scientific Committee on Environmental Term D.1.39 of JM 201745/2011 on Mining Activities in Kassandra, Halkidiki of "Hellenic Gold SA". Project Assignment Contract: Detailed Assessment of the annual hydrogeological report for the mining activities and Contribution to the Preparation of the Scientific Committee's Annual Progress Report of condition D.1.39 of JMD

201745 / 26-07-2011 EPO for the years 2015 and 2016.

2018 Advisory work on the monitoring of the qualitative and quantitative characteristics of groundwater and surface water in the Scientific Committee on Environmental Term D.1.39 of JMD 201745/2011 on Mining Activities in Kassandra, Halkidiki of "Hellenic Gold SA". Project Assignment Contract: Contribution to the hydrogeological and environmental monitoring of Kassandra mining activities.

2019 Advisory work on the monitoring of the qualitative and quantitative characteristics of groundwater and surface water in the Scientific Committee on Environmental Term D.1.39 of JMD 201745/2011 on Mining Activities in Kassandra, Halkidiki of "Hellenic Gold SA". Project Assignment Contract: Auxiliary Project in Hydrogeological and Environmental Monitoring of Kassandra Mining Activities.

6 RESEARCH PROJECTS

European and International Projects (6)– Scientific networks (2)

Scientific Supervisor (3)

2016 – 2020	Scientific supervisor in the international research program: « Origin of nitrates in the Anthemountas River in Galatista sub-basin. Contribution of groundwater in surface water pollution » Funded by IAEA-INTERNATIONAL ATOMIC ENERGY AGENCY.
2018 - today	Scientific supervisor for the network of two (2) Precision Isotope Monitoring Stations within the International Atomic Energy Agency (IAEA) GNIP Network.
2018 - today	Scientific supervisor for the network of one (1) Surface Water (River) Isotope Monitoring Station within the International Atomic Energy Agency (IAEA) GNIR Network.
<i>Member of research team (5)</i>	
2005	LIFE 04/ENV/GR000099 WATERAGENDA « <i>Geophysical survey using electrical and electromagnetical methods in the eastern part of Anthemountas basin</i> » (Research Fellow-Student/A.U.Th./Scientific Supervisor: Prof. Vargemezis G.)
2007-2008	« WATER-MAP-Development and utilization of vulnerability maps for the monitoring and management of groundwater resources in the Archimedes area », by Watermap-INTEREGIII. (Research Fellow/A.U.Th./Scientific Supervisor: Prof. Manos V.)
2010-2012	« Transnational integrated management of water resources in agriculture for the EU WATER emergency control – EU WATER ». (Research Fellow/A.U.Th./Scientific Supervisor: Prof. Manos V.)
2013	« Hexavalent Chromium Reduction from Contaminated Groundwater and Wastewaters CREDUCTION Education and Lifelong Learning” of the National Strategic Reference Framework (NSRF) - Research Funding Program: THALIS » (Research Fellow in 2 nd Research Team /University of Ioannina/ Scientific Supervisor: Mitrakas M.)
2012-2016	Participation in « Networking Lake Observatories in Europe (NETLAKE) COST Action ES120 Earth System Science and Environmental Management » as Researcher - Alternate Member of Greece in the AUTH Management Committee.
2020-2023	Participation in « WATER isotopes in the critical zONE: from groundwater recharge to plant transpiration COST Action CA19120 » - Management

Committee (MC) as National representative (NR)/A.U.Th., Co-Leader in WG 3: Catchment-scale water residence time and travel times.

National Research Projects (28)

Scientifically Supervisor (4)

2018-2019 Scientifically supervisor in the research program: «*Development of a methodology for the protection and optimal management of karst aquifers of the Kozani aqueduct*».

2019-2020 Scientific supervisor in the research program: "*Hydrogeological research of the fractured rock aquifers of Cholomontas groundwater system emphasizing on the Asvestochori Municipality of Pylea-Hortiatis*".

2019-2021 Scientific supervisor in the research program: «*Hydrogeological research of fractured rock aquifers and springs*».

2021-2023 Scientific supervisor in the research program: «**Groundwater depletion. Are Eco-friendly Energy Recharge Dams a solution?**».

Deputy Scientific Supervisor (4)

2016-2017 Deputy Scientific Supervisor - researcher in the research program: «*Hydrological assessment for the watercourses for the detail engineering services for section 2 and 3 and 3 Greece of the EPC Onshore Pipeline Construction of the Trans Adriatic Pipeline*» with scientific supervisor Prof. Konstantinos Voudouris.

2017- 2020 Deputy Scientific Supervisor - researcher in the research program: «*Hydrogeological Research and determination of protection zones of the wells of Vikos Company*» with scientific supervisor Prof. Konstantinos Voudouris.

2019 Deputy Scientific Supervisor - researcher in the research program: «*Hydrogeological survey to investigate the origin of chromium in groundwater in the Sperchios Basin*» with scientific supervisor Prof. Konstantinos Voudouris.

2019-2020 Deputy Scientific Supervisor - researcher in the research program: "*Hydrogeological research and groundwater balance assessment in the wider Lagoura area, Argos Orestikos*" with scientific supervisor Prof. Konstantinos Voudouris.

Member of Research Team (20)

2008-2014 Member of the research team in the research program: «*Hydrochemical and hydrogeological research of boreholes in the Volos region*» with scientific

	supervisor Prof. Ioannis Stratis.
2008-2010	Member of the research team in the research program: « Hydrogeological research in Peraia region, Municipality of Thermaikos, Thessaloniki » with scientific supervisor Prof. Konstantinos Voudouris.
2009-2010	Member of the research team in the research program: « Geological-Hydrogeological-Palaiontological research of Messopotamia Municipality » with scientific supervisor Prof. George Syridis.
2009-2010	Member of the research team in the research program: « Hydrogeological, geotechnical and geological research for the foundation of a cemetery in Korinthos Municipality » with scientific supervisor Prof. Konstantinos Voudouris.
2010-2011	Member of the research team in the research program: « Research for the suitability of an area for cemetery foundation using geological and hydrogeological criteria in Municipality of Vathi (municipal district of Kokkari) » with scientific supervisor Prof. Konstantinos Voudouris.
2012-2014	Member of the research team in the research program: « Water resources research in municipality of Thermaikos, Thessaloniki » with scientific supervisor Prof. Konstantinos Voudouris.
2012-2013	Member of the research team in the research program: « Geophysical research of the decommissioned landfill of Derveni, Thessaloniki » with scientific supervisor Prof. Panagiotis Tsourlos.
2013	Member of the research team in the research program: « Assessment of groundwater and surface water sensitivity to pollution and susceptibility to erosion and flood events » with scientific supervisor Prof. Konstantinos Voudouris.
2013-2016	Member of the research team in the research program: « Groundwater inflows and outflows research in the decommissioned landfill of Derveni, Thessaloniki » with scientific supervisor Prof. George Vargemezis.
2014	Member of the research team in the research program: « Geological and geophysical research of groundwater quantity and quality in the wider area of Mavrorachi landfill » with scientific supervisor Prof. Panagiotis Tsourlos.
2014-2016	Member of the research team in the research program: « Assessment of Hexavalent chromium origin in groundwater of municipal districts Akrini-Ag. Dimitrios-Riakio-Koilada of Kozani municipality » with scientific supervisor Prof. Nikolaos Kantiranis.
2015	Member of the research team in the research program: « Characterization of

	<i>aquifers in Korinthia using hydrogeological and hydrochemical parameters</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2015-2017	Member of the research team in the research program: « <i>Detection of thermal springs using hydrogeological and Remote Sensing tools</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2016	Member of the research team in the research program: « <i>Hydrogeological and hydrochemical research of the conceptual model of healing spring of Kokkino Nero in municipality of Agia. Comparison with thermal spring in Northern Greece</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2015-2016	Member of the research team in the research program: « <i>Determination of the conceptual model and protection zones of the healing spring of Kivotos in municipality of Grevena</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2016-2018	Member of the research team in the research program: « <i>Interaction of the Voskina spring and the mineral aquifer of Souroti</i> » with scientific supervisor Prof. Alexandra Ioannidou.
2017-2018	Member of the research team in the research program: « <i>Survey of quantitative and qualitative underground aquifer parameters by geophysical methods and evaluation of hydrochemical and hydrogeological data in the municipality of Pylea-Chortiatis</i> » with scientific supervisor Prof. George Vargemezis.
2018-2019	Member of the research team in the research program: « <i>Hydrogeological research within the waste treatment plan of Serres, Northern Greece</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2019	Member of the research team in the research program: « <i>Scientific and technical consultant services for mining waste landfills</i> » with scientific supervisor Prof. Konstantinos Voudouris.
2019-2021	Member of the research team in the research program: « <i>Determination of the spatial and temporal variation of groundwater pollution with hexavalent chromium in the Sarigiol basin</i> » with scientific supervisor Prof. Nikolaos Kantiranis.

7 CONFERENCES - ANNALS

International Conferences (28)	
2008	9 ^o International Conference of Meteorology, Climatology and Atmospheric Physics.
2009	7 th International Conference of European Water Resources Association (EWRA).
2011	9 th Conference on Limestone Hydrogeology, Besançon.
2011	9 th International Hydrogeological Congress, Kalavrita. Advances in the Research of Aquatic Environment.
2012	3 rd International Conference on Industrial and Hazardous Waste Management, 12 th – 14 th of September, Chania, Greece.
2012	XI International Conference Protection and restoration of the environment. Thessaloniki.
2013	3 rd International GEOSchools Conference: TEACHING GEOSCIENCES IN EUROPE from Primary to Secondary School'. Athens.
2013	13 th International Congress of Geological Society of Greece, September 5-9, Chania, Crete, Greece.
2014	10 th International Hydrogeological Congress of Greece, Thessaloniki.
2014	Near Surface Geoscience - 20th European Meeting of Environmental and Engineering Geophysics
2015	42 nd IAH Congress. Hydrogeology: Back to the Future. 13-18 September, Rome, Italy.
2015	9 th WORLD CONGRESS, EWRA, Water Resources Management in a Changing World: Challenges and Opportunities, Turkey; 06/2015.
2015	ENVIRA Environmental Radioactivity International Conference, 21-25 Sep2015, Thessaloniki, Greece.
2015	13 th International conference for the implementation of the European water directives.
2016	14 th International conference of Geological Society of Greece, May 25-27, Thessaloniki, Greece.
2016	43 rd IAH Congress. Hydrogeology: 60 years. 25-29 September, Montpellier, France.
2017	Sixth International Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2017) & SECOTOX Conference, Thessaloniki, Greece.
2017	11 th International Hydrogeological Congress of Greece, Thessaloniki.

2017	5 th International Conference of Solid waste management and its contribution to circular economy, Athens 14-15 December, 1-10.
2018	XIV Protection and Restoration of the Environment. July 3-6, 2018, Thessaloniki, Greece.
2018	4 th International Conference on Water Resource and Environment (WRE 2018), July 17-21, Kaohsiung city, Taiwan.
2018	EuroKarst, July 2-6, 2018, Besancon, France.
2019	4 th National Meeting on Hydrogeology – FLOWPATH, 12-14 June, Milano.
2019	XIX WORLD WATER DAY "Gestione e difesa delle coste." Accademia Nazionale dei Lincei, 21 March, Rome.
2019	15 th International conference of Geological Society of Greece, May 22-24, Athens, Greece.
2019	International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes CN-271, 20-24 May, Vienna, Austria.
2019	2 nd International Conference on Natural Hazards & Infrastructure. 23-26 June, 2019, Chania, Greece.
2019	5 th IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations: "Evolution of Technologies from Prehistory to Modern Times" this year (11 th to 13 th September 2019) in Dead Sea, Jordan.

International Workshop and Symposium (3)

2013	2 nd International Workshop on Geoelectrical Monitoring, GELMON.
2015	International Symposium on Isotope Hydrology: Revisiting Foundations and Exploring Frontiers, 11-15 May, IAEA's Headquarters in Vienna, Austria.
2016	Near Surface Geoscience; 22 nd European Meeting of Environmental and Engineering Geophysics; 09/2016.

National Conferences (12)

2008	3 rd Environmental Conference of Macedonia, 14-17 March, Thessaloniki.
2009	11 th Common conference of Hellenic Hydrotechnical Association and 7 th Greek committee of Water Resource Management EYE).
2011	4 th Environmental Conference of Macedonia, 18-20 March, Thessaloniki.

2012	1 th Environmental Conference of Thessaly, 8-10 September, Skiathos.
2013	9 th National Scientific conference of Chemical Engineering, 23-25 May, Athens.
2014	5 th Environmental Conference of Macedonia, 18-20 March, Thessaloniki.
2015	12 th Greece – Cyprus Chemistry Conference, 8-10 May, Thessaloniki.
2015	9 th National Conference of EGME. 8-9 October, Thessaloniki.
2015	3 th Common conference of EYE-EEΔΥΠΙ-EΥΣ, 10-12 December, Athens.
2016	22 th National conference of Chemistry, 2-4 December, Thessaloniki.
2018	GEOSCIENCES 2018 (National Conference with international participation) 6-7 December, Sofia.
2019	14 th Common conference of Hellenic Hydrotechnical Association, 16-17 May, Volos.

National Scientific Annals (5)

2015	Honorable Scientific Annals in the memory of professor G. Eleftheriadis.
2016	Honorable Scientific Annals in the memory of professor Anna Kasoli-Fournaraki.
2017	Contribution of young scientists in Water Resources Research. Athens 17 March 2017. Organization by ECOCITY-DPMS-MECH «Water Resources Science and Technology».
2018	Circular Economy in Smart Cities. Thessaloniki 3-5 October. Organization by ECOCITY.
2018	Hydro-meteorological disaster management strategies. Xanthi 23 October. Organization by Department of Civil Engineering D.U.Th.

8 PEER REVIEWER

European - International - National research programs (2)

Water JPI 2018 Joint Call

WRI FY 2020 - University of Wisconsin Aquatic Sciences Center – Sea Grant WRI

Journals (73)

- 1) Science of the Total Environment
- 2) Hydrogeology Journal
- 3) Journal of Hydrology
- 4) Water Resources Management
- 5) Water
- 6) Journal of Hazardous Materials
- 7) Environmental Research Letters
- 8) Journal of Hydro-environment Research
- 9) Hydrological Processes
- 10) Applied Geochemistry
- 11) Journal of Geochemical Exploration
- 12) Environmental Pollution
- 13) Environmental Earth Science
- 14) Environmental Science and Pollution Research
- 15) Arabian Journal of Geosciences
- 16) Environmental Engineering and Management Journal
- 17) Water science and Engineering
- 18) Remote Sensing
- 19) Journal of Taibah University for Science
- 20) Iranian Journal of Science and Technology
- 21) Environmental Processes
- 22) International Journal of Geo-Information
- 23) Solar Energy
- 24) Global Nest
- 25) Euro-Mediterranean Journal for Environmental Integration
- 26) Applied Water Science
- 27) International Journal of GEOMATE
- 28) Bulletin of the Geological Society of Greece

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- 29) International Journal of Geophysics

 - 30) Entropy

 - 31) Geosciences

 - 32) Catena

 - 33) Sustainability

 - 34) International Journal of Water Resources and Environmental Engineering

 - 35) Hydrology

 - 36) Environmental Monitoring and Assessment

 - 37) Egyptian Journal of Aquatic Research

 - 38) Scientific Reports

 - 39) MethodsX

 - 40) Journal of Engineering and Technological Sciences

 - 41) Theoretical and Applied Climatology

 - 42) Hydrological Sciences Journal

 - 43) Earth Interactions

 - 44) Journal of Cleaner production

 - 45) Integrated Environmental Assessment and Management

 - 46) Data in Brief

 - 47) Water Policy

 - 48) PLOS ONE

 - 49) Remote Sensing Applications: Society and Environment

 - 50) Operations Research Perspectives

 - 51) Journal of African Earth Sciences

 - 52) Journal of Hazardous, Toxic, and Radioactive Waste

 - 53) Advances in Meteorology

 - 54) Environmental Geochemistry and Health

 - 55) Journal of Environmental Science

 - 56) Journal of Hydrology: Regional Studies

 - 57) International Journal of Environmental Research and Public Health

 - 58) International Journal of Environmental Research and Public Health

 - 59) Environments

 - 60) Journal of Engineering

 - 61) Groundwater for Sustainable Development
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62) Environmental Research

63) Marine Pollution Bulletin

64) Journal of King Saud University

65) Environmental Technology & Innovation

66) Environmental Technology & Innovation

67) Chemical Geology

68) Hydrology and Earth System Sciences

69) Heliyon

70) Arabian Journal of Chemistry

71) Environmental Nanotechnology, Monitoring & Management

72) Earth Science Informatics

73) Applied Geography

74) Chemosphere

75) River Research and Applications

76) Geoderma

77) Journal of Hydroinformatics

78) Groundwater Monitoring and Remediation

Conferences (4)

10th International conference of Hydrogeology in Greece.

11th International conference of Hydrogeology in Greece.

14th International conference EGE.

3rd International conference on Water Resource and Environment (WRE 2017).

Book series (1)

Water Security Series







9 MEMBER OF ORGANIZATION COMMITTEE

2014	10 th International conference of Hydrogeology in Greece. Conference president K. Voudouris.
2015	Co-reporter in: 13 th International conference for the implementation of the European water directives. ROUNDTABLE 2: Water Governance in transboundary basins: International Districts; Role and means of International Commissions; Bi and Multilateral Agreements and Conventions, Implementation of WFD principles and tools and of the Floods Directive in EU Neighboring Countries, riparian of transboundary basins. Co-Chairs: Jerzy Zwozdziak, Dejan Komatina.
2016	« Geothermal energy and its contribution to the development of the country » Annal president: K. Voudouris.

10 MEMBER OF SCIENTIFIC COMMITTEE

2014	10 th International conference of Hydrogeology in Greece.
2016	13 th International conference of Geological Society of Greece, May 25-27, Thessaloniki, Greece.

11 EDITOR

2014	Proceedings of the 10th International conference of Hydrogeology in Greece . Volume 1 – in English, pages 773, Volume 2 – in Greek, pages 339. (Editor with: K. Voudouris, G. Stamatis, C. Mattas, T. Kaklis)	
2017	Guest Editor - Journal of Geofluids / Special Issue: Advanced Statistics and GIS in Hydrogeochemistry (Hindawi)	
2017-today	Editorial Broad of Science of the Total Environment (Elsevier)	
2018- today	Editorial Broad of Data in Brief (Elsevier)	
2018	Guest Editor - Journal of Environments / Special Issue: Groundwater Quality and Groundwater Vulnerability Assessment (MDPI)	
2019	Editorial Broad of Scientific Data (Nature Research)	

12 MEMBER OF SCIENTIFIC BODIES

- 1. Geological society of Greece (GSG)**
- 2. Geotechnical Chamber of Greece**
- 3. International Association of Hydrogeologists**
- 4. Hellenic committee of Hydrogeology**
- 5. Hellenic Hydro-technical Association**
- 6. European Water Resources Association (EWRA)**
- 7. International association of Hydrological sciences (IAHS)**

13 SPECIFIC SKILLS

Programming Skills

- Computer use in MS Windows 9x/2000/XP/Vista/Windows7 environments, Word, Excel, Access, PowerPoint programs
- Geographic information systems GIS (MapInfo, ArcGIS, Global Mapper) for digitization, map generation and water resources management
- Design programs CorelDRAW
- Geology programs (LogPlot 2003, Schmidt, AquaChem, Aquifer Test, etc.)
- Groundwater Simulation Programs: GMS (MODFLOW, MODAEM code), Arc SWAT, HEC-RAS, KarstMod
- Drone control (Pilot Diploma B')

Laboratory Measurements-Tests

- Laboratory and field tests of soil mechanics (Granular analysis with sieve and diluent, Atterberg Limits etc.)
- Chemical analysis of trace elements (Atomic absorption spectroscopy, UV-Vis spectrometer, titrimetric methods etc.). (Basic knowledge of instrument handling and methods, obtained for PhD thesis measurements)

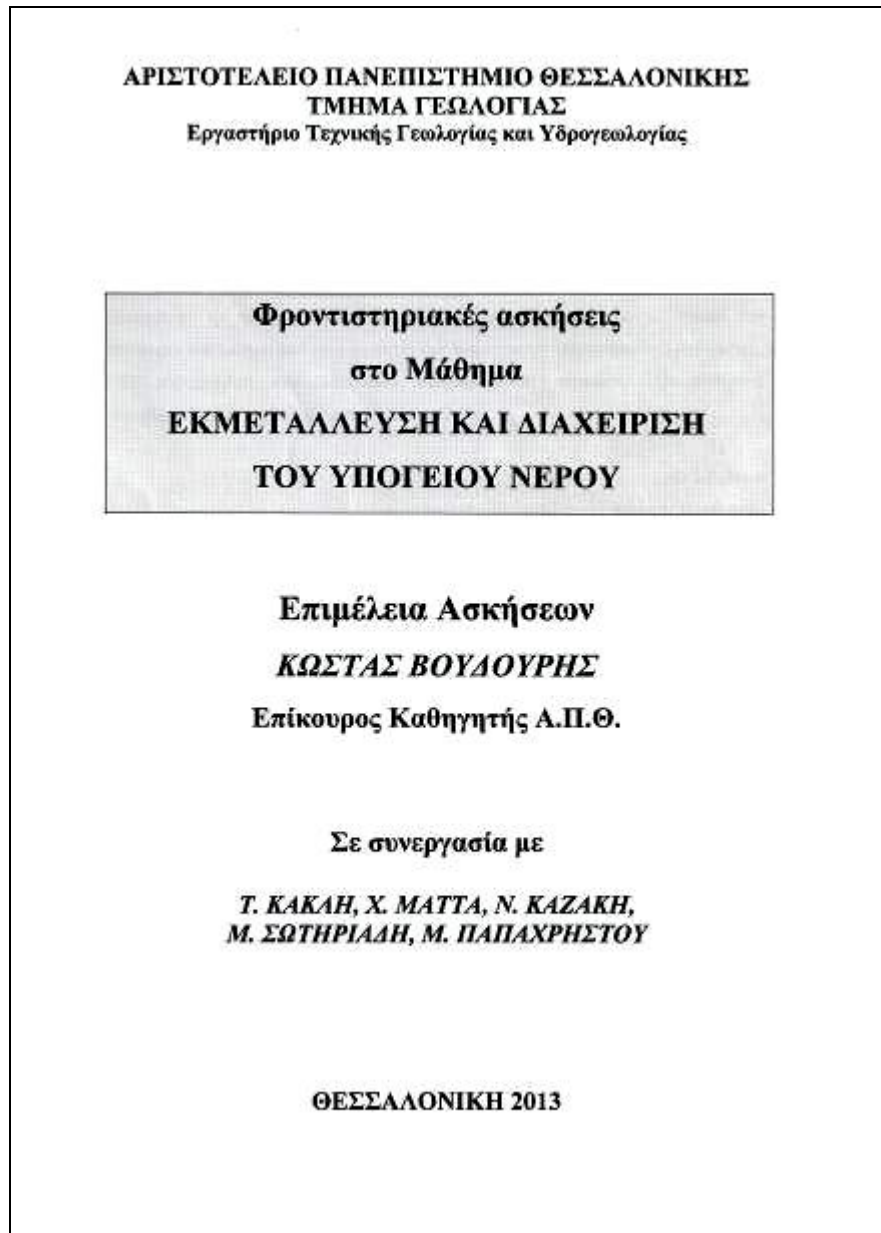
Tasks - Field Measurements

- In situ testing of water physicochemical parameters
- Sampling of water (surface - groundwater) for chemical analysis
- Groundwater level measurements
- Measurements of saturated hydraulic conductivity in sediments
- Well testing, determination of aquifer hydraulic parameters

- River flow measurements
- Inventory of water sources (springs, boreholes and wells)
- Geological mapping
- Supervision of water wells and core drilling
- Hydrogeological mapping, mapping of karst structures with Drone

14 SCIENTIFIC NOTES

1. Co-author with K. Vooudouris, T. Kaklis, Ch. Mattas, M. Sotiriadis and M. Papachristou for laboratory exercises in hydrogeology for undergraduate students at the School of Geology at Aristotle University of Greece. (Teaching notes up to the current academic year).



2. Co-author with F.K. Pliakas, A. Kallioras of Notes for Groundwater simulation models for the Master Students in the Master Program of Hydraulic Engineering and Environment at the School of Civil Engineering at Democritus University of Thrace (D.U.Th.). (Teaching notes up to the current academic year).

<p>ΔΗΜΟΚΡΙΤΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΘΡΑΚΗΣ ΠΟΛΥΤΕΧΝΙΚΗ ΣΧΟΛΗ ΤΜΗΜΑ ΠΟΛΙΤΙΚΩΝ ΜΗΧΑΝΙΚΩΝ</p> <p>ΠΡΟΓΡΑΜΜΑ ΜΕΤΑΠΤΥΧΙΑΚΩΝ ΣΠΟΥΔΩΝ ΥΔΡΑΥΛΙΚΗ ΜΗΧΑΝΙΚΗ ΚΑΙ ΠΕΡΙΒΑΛΛΟΝ Ακαδημαϊκό έτος 2016 – 2017</p> <p>A. ΚΑΛΛΙΩΡΑΣ Επ. Καθηγητής Ε.Μ.Π. N. ΚΑΖΑΚΗΣ Δρ. Υδρογεωλόγος Φ.-Κ. ΠΛΙΑΚΑΣ Καθηγητής Δ.Π.Θ.</p>
<p><u>ΕΙΔΙΚΑ ΘΕΜΑΤΑ</u> <u>ΑΞΙΟΠΟΙΗΣΗΣ ΚΑΙ ΔΙΑΧΕΙΡΙΣΗΣ</u> <u>ΤΩΝ ΥΠΟΓΕΙΩΝ ΝΕΡΩΝ</u></p> <p>3. ΠΡΟΣΟΜΟΙΩΣΗ ΤΩΝ ΥΠΟΓΕΙΩΝ ΝΕΡΩΝ ΚΑΙ ΥΠΟΛΟΓΙΣΤΙΚΟΙ ΚΩΔΙΚΕΣ</p>
<p>Ξάνθη 2017</p>

15 PUBLICATIONS

15.1 Brief description Συνοπτική παρουσίαση

Table 15.1 shows a brief description of the publications. In Table 15.2 are shown the international journals with IF (Impact Factor) are depicted. Figure 15.1 displays the publications per year.

Table 15.1 Brief description of publications (until 2-2-2021).

1	Total number of publications (<i>excluding diplomas and theses</i>)	118
2	PhD Thesis	1
3	Post Doc	4
4	Master Thesis	2
5	Bachelor thesis	1
6	International Journals with IF	40
7	International Journals without IF	10
8	Bulletin of the Geological Society of Greece	7
9	Book Chapter	1
10	Proceedings of International conferences	27
11	Proceedings of Greek Conferences	12
12	Scientific Annals	2
13	Workshops	1
14	Abstracts in International Conferences	12
15	Abstracts in National Conferences	3
16	Abstracts in Annals	1
17	Posters in international conferences	2
18	h-Index according to Scopus	19
19	h-Index according to Google Scholars	24
20	Articles – sole Author	2
21	Articles – First Author	37
22	Articles – First Author in Journals (SCI)	14
23	Mean value of articles per year	≈8
24	Citations according to <i>Google Scholars</i>	2000
25	Citations (excluding self-citations) - Scopus	1428
26	Citations (excluding self-citations of all co-Authors) - Scopus	1122

Table 15.2 List of Journal and the latest Impact Factor.

a/a	Journal	Impact factor	Number
		2019	
1	Science of the Total Environment	6.551	15
2	Environmental Pollution	6.792	2
3	Journal of Hydrology	4.500	2
4	Water Research	9.130	1
5	Journal of Hazardous Materials	9.038	1
6	Environmental Earth Science	2.180	4
7	Journal of Environmental Management	5.647	1
8	Environmental Science and Pollution Research	3.056	1
9	Energies	2.702	1
10	Sustainability	2.576	1
11	Water	2.544	1
12	Natural Hazards	2.427	1
13	Applied Science	2.474	1
14	Operational research	1.759	1
15	Water air soil pollution	1.900	1
16	Isotopes in Environmental & Health Studies	1.652	1
17	Journal of Radioanalytical and Nuclear Chemistry	1.137	1
18	Global Nest	0.983	1
19	Fresenius Environmental Bulletin	0.553	1
20	Radiation Effects and Defects in Solids	0.642	1
21	Geosciences	-	3
22	Environments	-	3
23	Sustainable Water Resources Management	-	1
24	European Water	-	2
25	International Journal of Information Systems and Social Change	-	1
26	Bulletin of the Geological Society of Greece	-	5
27	Hydrotechnika	-	2
28	Communications Earth and Environment	-	1
	Total	177,789	54

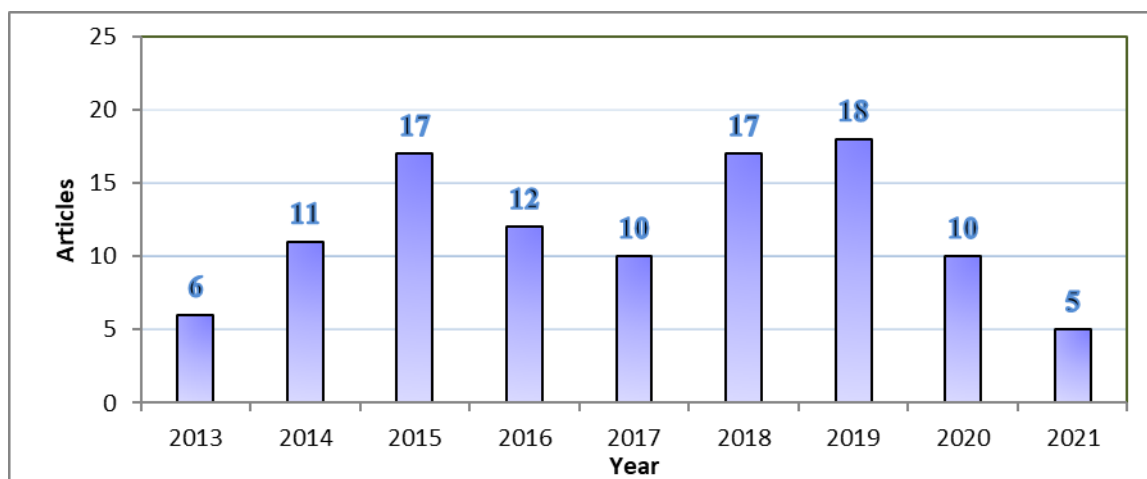


Figure 15.1 Number of publications per year.

15.2 Detailed description

Following are the published papers in scientific journals, conference proceedings and chapters in chronological order. The titles from the Theses are first mentioned.

THESES (Number: Eight - 8)		
Post Doc (IV)	2019	Origin and release process of Uranium by using numerical modeling in the karst and porous aquifers in western Chalkidiki. (Carried out in Greece)
Post Doc (III)	2018	Management and research strategies of karst aquifers in Greece: literature overview and exemplification based on hydrodynamic modelling and vulnerability assessment of a strategic karst aquifer (Carried out in France)
Post Doc (II)	2017	Vulnerability assessment of coastal aquifers to seawater intrusion by using intelligent techniques. (Carried out in Greece)
Post Doc (I)	2016	Investigation of the origin and release processes of arsenic in groundwater of Anthemountas Basin, northern Greece. (Carried out in Greece)
Master Thesis (II)	2016	Combination of numerical simulation model and groundwater quality index for water resources management. Application to Galatista Basin. (Carried out in Greece)
PhD	2013	External risk assessment of groundwater pollution. Application in the Anthemountas Basin. (Carried out in Greece)
Master Thesis (I)	2008	Groundwater vulnerability assessment of external pollution. Application in Florina Basin. (Carried out in Greece)
Diploma Thesis	2006	Conceptualization of aquifers and bedrock in the area of Lakka. (Carried out in Greece)

15.2.1 Scientific Journals with Impact Factor

- 1.1 Patrikaki O., **Kazakis N.**, Voudouris K. (2012). Vulnerability map: A useful tool for groundwater protection: An example from Mouriki basin, North Greece, Fresenius Environmental Bulletin, Vol. 21 No 8c, p 2516- 2521.
- 1.2 Aschonitis V.G., Mastrocicco M., Colombani N., Salemi E., **Kazakis N.**, Voudouris K., Castaldelli G. (2012). Assessment of the Intrinsic Vulnerability of Agricultural Land to Water and Nitrogen Losses via Deterministic Approach and Regression Analysis. Water air soil pollution; Vol. 223 Issue 4, p1605-1614. DOI: [10.1007/s11270-011-0968-5](https://doi.org/10.1007/s11270-011-0968-5)
- 1.3 Kaprara E., **Kazakis N.**, Simeonidis K., Coles S., Zouboulis A.I., Samaras P., Mitrakas M. (2015). Occurrence of Cr (VI) in drinking water of Greece and relation to the geological background. Journal of Hazardous Material, 281: 2-11. DOI: [10.1016/j.jhazmat.2014.06.084](https://doi.org/10.1016/j.jhazmat.2014.06.084)
- 1.4 **Kazakis N.**, Kantiranis N., Voudouris K.S., Mitrakas M., Kaprara E., Pavlou A. (2015). Geogenic Cr oxidation on the surface of mafic minerals and the hydrogeological conditions influencing hexavalent chromium concentrations in groundwater. Sci Total Environ, 514: 224-238. DOI: [10.1016/j.scitotenv.2015.01.080](https://doi.org/10.1016/j.scitotenv.2015.01.080)
- 1.5 **Kazakis N.**, Voudouris K.S., (2015). Groundwater vulnerability and pollution risk assessment of porous aquifers to nitrate: Modifying the DRASTIC method using quantitative parameters. Journal of Hydrology. 525, 13-25. DOI: [10.1016/j.jhydrol.2015.03.035](https://doi.org/10.1016/j.jhydrol.2015.03.035)
- 1.6 Oikonomidis D., Dimogianni S., **Kazakis N.**, Voudouris K., (2015). A GIS/Remote Sensing-based methodology for groundwater potentiality assessment in Tirnavos area, Greece. Journal of Hydrology. 525, 197-208. DOI: [10.1016/j.jhydrol.2015.03.056](https://doi.org/10.1016/j.jhydrol.2015.03.056)
- 1.7 Bournaris Th., Papathanasiou J., Manos B., **Kazakis N.**, Voudouris K. (2015). Support of irrigation water use and eco-friendly decision process in agricultural production planning. (Operational research) Oper Res Int J. 15:289-306. DOI: [10.1007/s12351-015-0178-9](https://doi.org/10.1007/s12351-015-0178-9)
- 1.8 **Kazakis N.**, Oikonomidis D., Voudouris K., (2015). Groundwater vulnerability and pollution risk assessment with disparate models in karstic, porous and fissured rock aquifers using remote sensing techniques and GIS in Anthemountas basin, Greece. Environmental Earth Science. 74:7, pp 6199-6209. DOI: [10.1007/s12665-015-4641-y](https://doi.org/10.1007/s12665-015-4641-y)
- 1.9 **Kazakis N.**, Kougias I., Patsialis T., (2015). Assessment of Flood Hazard Areas at a Regional Scale using an Index-based approach and Analytical Hierarchy Process. Application in Rhodope - Evros region, Greece. Sci Total Environ, 538: 555-563. DOI: [10.1016/j.scitotenv.2015.08.055](https://doi.org/10.1016/j.scitotenv.2015.08.055)

- 1.10** Noli F., **Kazakis N.**, Vargemezis G., Ioannidou A. (2016). The Uranium Isotopes in the Characterization of Groundwater in Thermi-Vasilika Region, Northern Greece. *Isotopes in Environmental & Health Studies*, 52, 405-413. DOI: [10.1080/10256016.2015.1119134](https://doi.org/10.1080/10256016.2015.1119134)
- 1.11** **Kazakis N.**, Pavlou A., Vargemezis G., Voudouris K., Soulios G., Pliakas F., Tsokas G. (2016). Seawater intrusion mapping using electrical resistivity tomography and hydrochemical data. An application in the coastal area of eastern Thermaikos Gulf, Greece. *Sci Total Environ*, 543: 373-387. DOI: [10.1016/j.scitotenv.2015.11.041](https://doi.org/10.1016/j.scitotenv.2015.11.041)
- 1.12** **Kazakis N.**, Vargemezis G., Voudouris K. (2016). Estimation of hydraulic parameters in a complex porous aquifer system using geoelectrical methods. *Sci Total Environ*, 550: 742-750. DOI: [10.1016/j.scitotenv.2016.01.133](https://doi.org/10.1016/j.scitotenv.2016.01.133)
- 1.13** Venetsanou P., **Kazakis N.**, Anagnostopoulou C., Voudouris K. (2016). Impacts of rainfall changes on groundwater balance of coastal aquifers: A case study of Thermaikos Gulf, North Greece. *Global Nest*. 18(1), 185-196. DOI: [10.30955/gnj.001634](https://doi.org/10.30955/gnj.001634)
- 1.14** Aidona E., Grison H., Petrovsky E., **Kazakis N.**, Papadopoulou L., Voudouris K. (2016). Magnetic characteristics and trace elements concentration in soils from Anthemountas River basin (North Greece): discrimination of different sources of magnetic enhancement. *Environmental Earth Science*. 75:1375. DOI: [10.1007/s12665-016-6114-3](https://doi.org/10.1007/s12665-016-6114-3)
- 1.15** Patsialis T., Kougias I., **Kazakis N.**, Theodossiou N., Droege P. (2016) Supporting renewables' penetration in remote areas through the transformation of non-powered dams. *Energies*, 9 – 1054. DOI: [10.3390/en9121054](https://doi.org/10.3390/en9121054)
- 1.16** **Kazakis N.**, Kantiranis N., Kalaitzidou K., Kaprara E., Mitrakas M., Frei R., Vargemezis G., Tsourlos P., Zouboulis A., Filippidis A. (2017) Origin of hexavalent chromium in groundwater: The example of Sarigkiol Basin, Northern Greece. *Sci Total Environ*, 593-594: 552-566. DOI: [10.1016/j.scitotenv.2017.03.128](https://doi.org/10.1016/j.scitotenv.2017.03.128)
- 1.17** **Kazakis N.**, Mattas C., Pavlou A., Patrikaki O., Voudouris K. (2017) Multivariate statistical analysis for the assessment of groundwater quality under different hydrogeological regimes. *Environmental Earth Science*. 76: 349. DOI: [10.1007/s12665-017-6665-y](https://doi.org/10.1007/s12665-017-6665-y)
- 1.18** Busico G., **Kazakis N.**, Colombani N., Mastrocicco M, Voudouris K., Tedesco D. (2017) A modified SINTACS method for groundwater vulnerability and pollution risk assessment in highly anthropized regions based on NO₃⁻ and SO₄²⁻ concentrations. *Sci Total Environ*, 609: 1512-1523. DOI: [10.1016/j.scitotenv.2017.07.257](https://doi.org/10.1016/j.scitotenv.2017.07.257)
- 1.19** Hong H., Panahi M., Shirzadi A., Khan A., Ma T., Liu J., Zhu A., Chen W., Siddika F.R., Kougias I., **Kazakis N.** (2018) Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic

algorithm and differential evolution. *Sci Total Environ*, 621: 1124–1141. DOI: [10.1016/j.scitotenv.2017.10.114](https://doi.org/10.1016/j.scitotenv.2017.10.114)

- 1.20** Busico G., Cuoco E., **Kazakis N.**, Colombani N., Mastrocicco M, Tedesco D., Voudouris K., (2018) Multivariate statistical analysis to characterize/discriminate between anthropogenic and geogenic trace element occurrence in Campania Plain, Southern Italy. *Environmental Pollution*, 234: 260-269. DOI: [10.1016/j.envpol.2017.11.053](https://doi.org/10.1016/j.envpol.2017.11.053)
- 1.21** **Kazakis N.**, Spiliotis M., Voudouris K., Pliakas F.K., Papadopoulos B. (2018) A fuzzy multicriteria categorization of the GALDIT method to assess seawater intrusion vulnerability of coastal aquifers. *Sci Total Environ*, 621: 552-566. DOI: [10.1016/j.scitotenv.2017.11.235](https://doi.org/10.1016/j.scitotenv.2017.11.235)
- 1.22** **Kazakis N.**, Kantiranis N., Kalaitzidou K., Kaprara E., Mitrakas M., Frei R., Vargemezis G., Vogiatzis D., Zouboulis A., Filippidis A. (2018) Environmentally available hexavalent chromium in soils and sediments impacted by dispersed fly ash in Sarigkiol basin (Northern Greece). *Environmental Pollution*, 235: 632-641. DOI: [10.1016/j.envpol.2017.12.117](https://doi.org/10.1016/j.envpol.2017.12.117)
- 1.23** **Kazakis Nerantzis** (2018) Delineation of suitable zones for the Application of Managed Aquifer Recharge (MAR) in coastal aquifers prone to salinization using quantitative parameters and Analytical Hierarchy Process. *Water*. 10, 804. DOI: [10.3390/w10060804](https://doi.org/10.3390/w10060804)
- 1.24** Khosravi K., Singh V.P., Tsai F.T.C, **Kazakis N.**, Pham B.T., Assefa M. Melesse A.M., Prakash I. (2018) A Comparison Study of DRASTIC Methods with Various Objective Methods for Groundwater Vulnerability Assessment. *Sci Total Environ*. 642, 1032-1049. DOI: [10.1016/j.scitotenv.2018.06.130](https://doi.org/10.1016/j.scitotenv.2018.06.130)
- 1.25** **Kazakis N.**, Chalikakis K., Mazzilli N., Ollivier C., Manakos A., Voudouris K. (2018) Management and research strategies of karst aquifers in Greece: literature overview and exemplification based on hydrodynamic modelling and vulnerability assessment of a strategic karst aquifer. *Sci Total Environ*. 643, 592-609. DOI: [10.1016/j.scitotenv.2018.06.184](https://doi.org/10.1016/j.scitotenv.2018.06.184)
- 1.26** Machiwal D., Cloutier V., Güler C., **Kazakis N.** (2018) A Review of GIS-Integrated Statistical Techniques for Groundwater Quality Evaluation and Protection. *Environmental Earth Science*. 77:681. DOI: [10.1007/s12665-018-7872-x](https://doi.org/10.1007/s12665-018-7872-x)
- 1.27** Betsou Ch., Tsakiri E., **Kazakis N.**, Hansman J., Krmar M., Frontasyeva M., Ioannidou A. (2018) Heavy metals and radioactive nuclide concentrations in mosses in Greece. *Radiation Effects and Defects in Solids*, 173:9-10, 851-856. DOI: [10.1080/10420150.2018.1528611](https://doi.org/10.1080/10420150.2018.1528611)
- 1.28** **Kazakis N.**, Busico G., Colombani N., Mastrocicco M., Pavlou A., Voudouris K. (2019) GALDIT-SUSI a modified method to account for surface water bodies in the assessment of aquifer vulnerability to seawater intrusion. *Journal of Environmental Management*, 235: 257-265. DOI: [10.1016/j.jenvman.2019.01.069](https://doi.org/10.1016/j.jenvman.2019.01.069)

- 1.29** Betsou Ch., Tsakiri E., **Kazakis N.**, Vasilev A., Frontasyeva M., Ioannidou A. (2019) Atmospheric deposition of trace elements in Greece using moss *Hypnum cupressiforme* Hedw. as biomonitors. *Journal of Radioanalytical and Nuclear Chemistry*. DOI: [10.1007/s10967-019-06535-4](https://doi.org/10.1007/s10967-019-06535-4)
- 1.30** Kapetas L., **Kazakis N.**, Voudouris K., McNicoll D. (2019) Water allocation coordination and governance in multi-stakeholder environments: Insights from Axios Delta, Greece. *Sci Total Environ*. 695, 133831. DOI: [10.1016/j.scitotenv.2019.133831](https://doi.org/10.1016/j.scitotenv.2019.133831)
- 1.31** Busico G., Giuditta E., **Kazakis N.**, Colombani N., (2019) A Hybrid GIS and AHP Approach for Modelling Actual and Future Forest Fire Risk Under Climate Change Accounting Water Resources Attenuation Role. *Sustainability*, 11, 7166; doi.org/10.3390/su11247166
- 1.32** Busico G., **Kazakis N.**, Cuoco E., Colombani N., Tedesco D., Voudouris K., Mastrocicco M., (2020) A novel hybrid method of specific vulnerability to anthropogenic pollution using multivariate statistical and regression analyses. *Water Research*. 171, 115386. doi.org/10.1016/j.watres.2019.115386
- 1.33** Khosravi K., Karimi M., Busico G., Khozani Z.S., Nguyen H., Mastrocicco M., Tedesco D., Cuoco E., **Kazakis N.** (2020) Enhancing Nitrate and Strontium Concentration Prediction in Groundwater by using new data mining algorithm. *Science of the Total Environment*. 715, 136836. <https://doi.org/10.1016/j.scitotenv.2020.136836>
- 1.34** Bui D.T., Khosravi K., Tiefenbacher J., Nguyen H., **Kazakis N.** (2020) Improving Prediction of Water Quality Indices Using Novel Hybrid Machine - learning Algorithms. *Science of the Total Environment*. 715, 136836. <https://doi.org/10.1016/j.scitotenv.2020.136836>
- 1.35** Angelakis A.N., Antoniou G., Voudouris K., **Kazakis N.**, Dalezios N., Dercas N. (2020) History of Floods in Greece Causes and Measures for Protection. *Natural Hazards*. 101:833–852 <https://doi.org/10.1007/s11069-020-03898-w>
- 1.36** **Kazakis N.**, Matiatos I., Ntona M.M., Bannenberg M., Kalaitzidou K., Kaprara E., Manassis M., Ioannidou A., Vargemezis G., Konstantinos V. (2020) Origin, implications and management strategies for nitrate pollution in surface and ground waters based on a $\delta^{15}\text{N-NO}_3^-$ and $\delta^{18}\text{O-NO}_3^-$ isotope approach. *Science of the Total Environment*. 724, 138211. <https://doi.org/10.1016/j.scitotenv.2020.138211>
- 1.37** Busico G., **Kazakis N.**, Colombani N., Khosravi K., Voudouris K., Mastrocicco M. (2020) The importance of incorporating denitrification in the assessment of groundwater vulnerability. *Applied Science*. 10 (7), 2328; <https://doi.org/10.3390/app10072328>
- 1.38** Jahromi M.N., Gomeh Z., Busico G., Barzegar R., Adamowski J., Samany N.N., Tedesco D., Mastrocicco M., **Kazakis N.** (2020) Developing a SINTACS-based method to map groundwater

multi-pollution vulnerability using evolutionary algorithms. Environmental Science and Pollution Research

- 1.39** Khosravi K., Bordbar M., Paryani S., Saco P., **Kazakis N.** (2021) New hybrid-based approach for improving the accuracy of coastal aquifer vulnerability assessment maps. Science of the Total Environment. 767: 145416. <https://doi.org/10.1016/j.scitotenv.2021.145416>
- 1.40** Tizro T., Vanaei A., **Kazakis N.**, Voudouris K., Mohammadi P. (2021) Estimation of Total Dissolved Solids in Zayandehrood River Using Intelligent Models and PCA Analysis Estimation of Total Dissolved Solids in Zayandehrood River Using Intelligent Models and PCA Analysis. Sustainable Water Resources Management.7:22 <https://doi.org/10.1007/s40899-021-00497-w>
- 1.41** Sadeghfam S., Razzagh S., Nadiri A.A., Busico G., Ntona M.M., **Kazakis N.** (2021) Formulation of Shannon-Entropy Model Averaging for Groundwater Level Prediction using Artificial Intelligence Models. **Submitted**
- 1.42** Khosravi K., Barzegar R., Busico G., Cuoco E., Mastrocicco M., Colombani N., Tedesco D., **Kazakis N.** (2021) Predictive modeling of selected trace elements in groundwater using ensemble algorithms of iterative classifier optimizer. Journal of Contaminant Hydrology. **Submitted**

15.2.2 Scientific Journals without Impact Factor

- 2.1** Voudouris K., Polemio M., **Kazakis N.**, Sifaleras An. (2010). An Agricultural Decision Support System for optimal land use regarding Groundwater Vulnerability. *International Journal of Information Systems and Social Change*, 1, 66-79. DOI: [10.4018/jissc.2010100105](https://doi.org/10.4018/jissc.2010100105)
- 2.2** Voudouris K., **Kazakis N.**, Polemio M., Kareklas K. (2010). Assessment of intrinsic Vulnerability using the Drastic Model and GIS in the Kiti Aquifer, Cyprus. *European Water*, 30, 13-24.
- 2.3** Venetsanou P., **Kazakis N.**, Voudouris K., Mattas C. (2015). Impacts of Urbanization, Agriculture and Touristic Development on Groundwater Resources in the Eastern Part of Thermaikos Gulf (North Greece): An application of DPSIR model for Sustainable Development. *European Water*, 51, 3-15.
- 2.4** Patrikaki O., **Kazakis N.**, Kougiass I., Patsialis T., Theodossiou N., Voudouris K. (2018) Assessing Flood Hazard at River Basin Scale with an Index-Based Approach: The Case of Mouriki, Greece. *Geosciences*, 8, 50. DOI: [10.3390/geosciences8020050](https://doi.org/10.3390/geosciences8020050)
- 2.5** Voudouris K., Mandrali P., **Kazakis N.** (2018) Preventing groundwater pollution using vulnerability and risk mapping: The case of Florina basin, NW Greece. *Geosciences*. 8, 129. DOI: [10.3390/geosciences8040129](https://doi.org/10.3390/geosciences8040129)
- 2.6** Manakos A., Ntona M., **Kazakis N.**, Chalikakis K. (2019). Enhanced characterization of the Krania-Elassona structure and functioning allogenic karst aquifer in central Greece. *Geosciences*, 9(1), 15. DOI: [10.3390/geosciences9010015](https://doi.org/10.3390/geosciences9010015)
- 2.7** Ollivier C., Chalikakis K., Mazzilli N., **Kazakis N.**, Lecomte Y., Danquigny C., Emblanch C. (2019). Challenges and limitations of karst aquifer vulnerability mapping based on the PaPRIKa method; application to a large European karst aquifer (Fontaine de Vaucluse, France). *Environments*. 6 (3), 39. DOI: [10.3390/environments6030039](https://doi.org/10.3390/environments6030039)
- 2.8** Mavriou Z., **Kazakis N.**, Pliakas F.K. (2019) Assessment of groundwater vulnerability in the north aquifer area of Rhodes Island using the GALDIT method and GIS. *Environments*. 6 (5), 56. DOI: [10.3390/environments6050056](https://doi.org/10.3390/environments6050056)
- 2.9** Vogelbacher A., **Kazakis N.**, Voudouris K., Bold S. (2019) Groundwater vulnerability and risk assessment in a karst aquifer of Greece using EPIK method. *Environments*. 6, 116; doi:10.3390/environments6110116
- 2.10** Matiatos I., Wassenaar L.I., Monteiro L.R., Venkiteswaran J.J., Gooddy C.D., Boeckx P., Sacchi E., Yue F.Y., Michalski G., Alonso-Hernández C., Biasi C., Bouchaou L., Edirisinghe E.A.N.V., Fadhullah W., Fianko J.R., Garcia-Moya A., **Kazakis N.**, Li S.L., Luu T.N.M., Priyadarshane S., Re V., Rivera D., Romanelli A., Sanyal P., Tamoooh F., Trinh A.D., Walters

W., and Welti N. (2021) Global Patterns of Nitrate Isotope Composition in Rivers and Adjacent Aquifers Reveal Reactive Nitrogen Cascading. *Communications Earth and Environment*.2:52, <https://doi.org/10.1038/s43247-021-00121-x>

15.2.3 Bulletin of the Geological Society of Greece

- 3.1 Kazakis, N.**, Voudouris, K., Vargemezis, G., Pavlou, A., (2013). Hydrogeological regime and groundwater occurrence in the Anthemountas River basin, northern Greece. *Bulletin of the Geological Society of Greece*, vol. XLVII/2 pp. 711-720. DOI: [10.12681/bgsg.11104](https://doi.org/10.12681/bgsg.11104)
- 3.2 Pavlou A.**, Soulios G., Dimopoulos G., Tsokas G., Mattas C., **Kazakis N.**, Voudouris K. (2013). Groundwater quality of the coastal aquifers in the eastern part of Thermaikos gulf (from Aggelochori to Kallikrateia). *Bulletin of the Geological Society of Greece*, vol. XLVII/2pp. 761-770. DOI: [10.12681/bgsg.11112](https://doi.org/10.12681/bgsg.11112)
- 3.3 Aidona E.**, **Kazakis N.**, Mavroidaki K., Voudouris K. (2013). Magnetic susceptibility as a tool for the discrimination of anthropogenic and lithogenic history of topsoils preliminary results from the broader area of Thessaloniki city. *Bulletin of the Geological Society of Greece*, vol. XLVII/1 pp. 236-244. DOI: [10.12681/bgsg.10935](https://doi.org/10.12681/bgsg.10935)
- 3.4 Kazakis N.**, Syrides G., Voudouris K. (2016). Exploitation of palaeontological and hydrogeological features for geotourism in Mesopotamia-Oinoi, Kastoria, Northern Greece. *Bulletin of the Geological Society of Greece*, vol. L, pp. 2171-2181. DOI: [10.12681/bgsg.11723](https://doi.org/10.12681/bgsg.11723)
- 3.5 Kazakis N.**, Kantiranis N., Kaprara M., Mitrakas M., Vargemezis G., Voudouris K., Chatzipetros A., Kalaitzidou K., Fillipidis A. (2016). Potential Toxic Elements (PTEs) in ground and spring waters, soils and sediments: An interdisciplinary study in Anthemountas basin, N. Greece. *Bulletin of the Geological Society of Greece*, vol. L, pp. 229-237. DOI: [10.12681/bgsg.14270](https://doi.org/10.12681/bgsg.14270)
- 3.6 Ntona M.**, Gavriilidou E., **Kazakis N.**, Voudouris K. (2018). Investigation of the quantitative and qualitative status of coastal aquifer in Kallikratia-Flogita, Chalkidiki, Greece. *Hydrotechnika*, 27: 54-67.
- 3.7 Voudouris K.**, **Kazakis N.** (2020) Vulnerability assessment of karst aquifers with the PaPRIKa method: The case of the Mitsikeli aquifer in Ioannina, Greece. *Hydrotechnika*.

15.2.4 Publications in Proceedings of International Conferences

- 4.1 Kazakis N.**, Mavrommatis Th., Voudouris K. (2008). Changes in frequencies of extreme hydrological events in Greece. 9th International Congress of Meteorology, Climatology and Atmospheric Physics.
- 4.2 Voudouris K., Kazakis N., Polemio M., Kareklas K.** (2009). Groundwater vulnerability assessment in Kiti aquifer, Cyprus. 7th International Conference of European Water Resources Association (EWRA).
- 4.3 Jakob, J., Tougiannidis, N., Gurk, M., Kasper, H. U., Weber, M.E., Kazakis, N., Voudouris, K.** (2011). Contribution to Hydrogeochemical and Geophysical Investigation of Skopia Karst-Area (Macedonia, NW Greece). 9th Conference on Limestone Hydrogeology, Besançon.
- 4.4 Mitrakas M., Tzoupanos N., Kazakis N., Kaprara E., Simeonidis K., Samaras P., Zouboulis A.** (2012). Hexavalent chromium [Cr (VI)] in drinking water of Greece – estimation of the origin. 3rd International Conference on Industrial and Hazardous Waste Management, 12th– 14th of September, Chania, Greece.
- 4.5 Manos B., Bournaris Th., Papathanasiou J., Kazakis N., Voudouris K.** (2012). A multicriteria model to support eco-friendly agricultural production planning. XI International Conference Protection and restoration of the environment. Thessaloniki p 1917.
- 4.6 Kazakis N., Voudouris K.** (2013). Experimental proposal of the water cycle for the lesson ‘Water in nature’ for A’ class of high school. 3rd International GEOschools Conference: TEACHING GEOSCIENCES IN EUROPE from Primary to Secondary School’. Athens p.47-50.
- 4.7 Kazakis N.** (2014). Estimation of groundwater balance and safe yield of porous aquifer in the Anthemountas basin and Peraia’s coastal area. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 1, pp. 305-314.
- 4.8 Karapilafis D., Kazakis N., Manakos A.** (2014). Groundwater flow simulation in the Ellassona-Tsaritsani basin aquifer with the use of the Modflow code. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 1, pp. 287-295.
- 4.9 Mattas C., Kazakis N., Soulios G.** (2014). Groundwater vulnerability and risk assessment using DRASTIC model in a GIS environment. A case study of the Gallikos river basin. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 1, pp. 457-466.
- 4.10 Voudouris K., Melfos V., Aidona E., Kazakis N., Giouri K., Stratis J.** (2014). Arsenic concentration in groundwater and sediments of Velestino Area, Thessaly, central Greece. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 1, pp. 759-770.

- 4.11** Patrikaki O., Soulios G., **Kazakis N.** (2014). Estimation of hydrologic balance of Perdica's stream drainage basin, Kozani, NW Greece. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 2, pp. 245-254.
- 4.12** Oikonomidis D., Dimogianni S., **Kazakis N.** (2014). Contribution of Geographic information systems and remote sensing in hydrogeology of the Larissa – Tirnavos Area. 10th International Hydrogeological Congress, Thessaloniki of Greece. vol. 1, pp. 567-576.
- 4.13** Venetsanou P., **Kazakis N.**, Anagnostopoulou C., Kolokytha E., Voudouris K. (2014). Assessment of the climate changes impact in groundwater balance using climate and groundwater flow models. A case study of the coastal area of Peraia-Epanomi. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 2, pp. 57-66.
- 4.14** **Kazakis N.**, Kantiranis N., Vogiatzis D., Pavlou A., Zavridou E. (2014). Estimation of saturated Hydraulic conductivity with field and empirical methods and the role of sediment maturity. 10th International Hydrogeological Congress of Greece, Thessaloniki. vol. 1, pp. 315-323.
- 4.15** Vargemezis G., Tsourlos P., Fikos I., Tsokas G., **Kazakis N.** (2014). Geoelectrical monitoring of a decommissioned landfill in Thessaloniki (N. Greece). Near Surface Geoscience, 20th European Meeting of Environmental and Engineering Geophysics, 700-704., Athens.
- 4.16** Venetsanou P., Voudouris K., **Kazakis N.** (2015). Impacts of urbanization, agriculture and touristic development on groundwater resources in the eastern part of Thermaikos Gulf, North Greece. Cyprus. EWRA 2015, 9th WORLD CONGRESS, Water Resources Management in a Changing World: Challenges and Opportunities, Turkey; 06/2015.
- 4.17** Kapeti F., Vargemezis G., Tsourlos P., **Kazakis N.**, Tatsi A., Voumvourari A. (2016). Geoelectrical Monitoring at the Reclaimed Landfill of Derveni, Thessaloniki (Greece). Near Surface Geoscience; 22nd European Meeting of Environmental and Engineering Geophysics; 09/2016, Spain, Barcelona.
- 4.18** Kougias I., Patsialis T., **Kazakis N.**, Droege P., Szabo S., Theodossiou N., (2017). Scaling up the stagnant small-scale hydropower capacities in EU. 23rd Annual Conference of the European Association of Environmental and Resource Economists (EAERE), 28 June – 1 July, Greece.
- 4.19** Gavriilidou E., Ntona M., **Kazakis N.**, Vargemezis G., Voudouris K. (2017). Seawater intrusion mapping in the coastal aquifer of Nea Kallikratia-Flogita area, North Greece. 11th International Hydrogeological Congress of Greece, Athens. vol. 1, pp. 221-231.
- 4.20** Lyra A., Pliakas F., **Kazakis N.** (2017) Implementation of CSDA framework in the management of the Almyros basi, Magnesia prefecture, Greece. 11th International Hydrogeological Congress of Greece, Athens. vol. 1, pp. 331-340.

- 4.21** Zavridou E., Koumantakis I., Kazakis N., Vasiliou E., Markantonis K., Voudouris K. (2017) Hydrogeological and Hydrochemical regime of the coastal lowland, North of Olympus. 11th International Hydrogeological Congress of Greece, Athens. vol. 2, pp. 159-168.
- 4.22** Voudouris K., **Kazakis N.**, Kraka K., Venetsanou P. (2017) Site location of Green spots using geographic information systems (GIS). 5th International Conference of Solid waste management and its contribution to circular economy, Athens 14-15 December, 1-10.
- 4.23** Kapetas L., **Kazakis N.**, Spachos T., Voudouris K. (2018) Building groundwater conceptual models under limited information supply: A case study on Axios delta, Northern Greece. XIV Protection and Restoration of the Environment. July 3-6, 2018, Thessaloniki, Greece.
- 4.24** **Kazakis N.**, Busico G., Colombani N., Mastrociccio M., Pavlou A., Voudouris K. (2018) Limitations of GALDIT method for seawater intrusion vulnerability mapping in a highly touristic coastal area. 4th International Conference on Water Resource and Environment (WRE 2018), July 17-21, Kaohsiung city, Taiwan.
- 4.25** Kapetas L., **Kazakis N.**, Voudouris K., Martinez-Tello A., Hosking J. S. (2019) Modelling Groundwater - Surface Water Interactions Under Climate Change Scenarios: insights from Axios Delta, Greece. 2nd International Conference on Natural Hazards & Infrastructure, 23-26 June, Chania, Greece.
- 4.26** Voudouris K., Mattas C., Kaklis T., **Kazakis N.**, Venetsanou P., Domakinis C., Zervopoulou A., Dimitraki L., Papachristou M., Vouvalidis K. (2019) Lateral mobility and vertical scour assessment at a pipeline's crossing point with rivers/torrents. Proc. of 2nd International Conference on Natural Hazards & Infrastructure, 23-26 June, 2019, Chania, Greece, ID_165, pp. 1-12.
- 4.27** Angelakis A.N., Antoniou G., Voudouris K., **Kazakis N.**, Dalezios N. (2019) History of Floods in Greece: Causes and Measures for Protection. 5th IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations: "Evolution of Technologies from Prehistory to Modern Times" this year (11th to 13th September 2019) in Dead Sea, Jordan.

15.2.5 Publications in Proceedings of National Conferences

- 5.1 Kazakis N.,** Voudouris K., Pavlou A., Patrikaki O. (2008). Groundwater vulnerability assessment in Florina basin using DRASTIC method and GIS. 3rd Environmental Conference Macedonia, 14-17 May, Thessaloniki.
- 5.2 Kazakis N.,** Voudouris K., Pavlou A. (2009). Seawater intrusion vulnerability assessment of coastal aquifers in the Eastern Thermaikos Gulf. 11th Joint Conference of the Hellenic Hydrotechnical Union (EYE), 7th Hellenic Water Resources Management Committee (EEDYP).
- 5.3** Voudouris K., **Kazakis N.** (2011). The urbanization impacts in groundwaters of Peraia, Thermaikos Municipality. 4th Environmental Conference Macedonia, 18-20 March, Thessaloniki.
- 5.4** Tanos I., Simeonidis K., Tziomaki M., Kaprara E., **Kazakis N.,** Mitrakas M., Andritsos N. (2012). Hexavalent Chromium occurrence in drinking water of Thessaly. 1st Environmental Conference of Thessaly, 8-10 September, Skiathos.
- 5.5** Mitrakas M., Kaprara E., **Kazakis N.,** Simeonidis K., Tzoupanos N., Samaras P., Zouboulis A., (2013). Hexavalent Chromium [Cr(VI)] origin in drinking water of Greece. 9th Conference of Chemical Engineering, 23-25 May, Athens.
- 5.6** Pavlou A., Soulios G., **Kazakis N.,** Tzollas N., (2014). Groundwater pollution of heavy metals in the coastal part of Aggelochori Kallikratia in northern Greece. 4th Environmental Conference Macedonia, Thessaloniki.
- 5.7** Pavlou A., Soulios G., **Kazakis N.,** Mattas C. (2014). Groundwater fluctuation modeling using ARIMA model in Larissa. Environmental impacts. 5th Environmental Conference Macedonia, 18-20 March, Thessaloniki.
- 5.8 Kazakis N.,** Fytilis V., Voudouris K. (2015). Intrinsic vulnerability assessment of soils applying Los indices. Application in Epanomi region. 9th Conference of EGME. 8-9 October, Thessaloniki.
- 5.9 Kazakis N.,** Voudouris K., Koumantakis I. (2015). Groundwater depletion in Anthemountas basin. Climate change or Mis-management? 3rd Conference of EYE-EEDYP-EYS, 199-206, December, Athens.
- 5.10** Ntona M., Gavriilidou E., **Kazakis N.,** Voudouris K. (2017). Groundwater assessment in the coastal area of Flogita – Kallikratia, Northern Greece. 6th Environmental Conference Macedonia, 5-7 May. Thessaloniki.
- 5.11** Mandrali P., **Kazakis N.,** Voudouris K. (2017). Hydrogeological and hydrological regime of alluvial aquifer in Florina basin. 6th Environmental Conference Macedonia, 5-7 May. Thessaloniki.

5.12 Voudouris K., **Kazakis N.** (2019) Vulnerability assessment of Karst aquifers: The case of Mitsikeli, Ioannina, Greece. 14th Conference of the Hellenic Hydrotechnical Union (EYE), 16-17 May, Volos, Greece.

15.2.6 Publications in proceeding of Scientific Annals

6.1 Kazakis N., Voudouris K., Tzollas N., Pavlou A., Sotiriadis M., Kantiranis N., (2015). Groundwater quality assessment in Anthemountas Basin, Northern Greece. Scientific Annals of the School of Geology, Aristotle University of Thessaloniki. Special Vol. 103, pp17-20.

6.2 Kazakis N., Kantiranis N., Voudouris K., Mitrakas M., Kaprara E. (2016). Hydrogeological conditions favoring hexavalent chromium occurrence in groundwater in Greece: A synoptic review. Scientific Annals of the School of Geology, Aristotle University of Thessaloniki. Special Vol. 105, pp15-20.

15.2.7 Publications in Workshops

7.1 Tsourlos P., Fikos IL., Vargemezis G., **Kazakis N.,** (2013). ERT Monitoring of a Reclaimed Landfill in Thessaloniki (N. Greece). 2nd International Workshop on Geoelectrical Monitoring, GELMON.

15.2.8 Posters in International Conferences

8.1 Voudouris K., Kazakis N., Stratis J. (2015). Groundwater quality in the wider area of Volos city, Central Greece. 42nd IAH Congress. Hydrogeology: Back to the Future. 13-18 September, Rome, Italy.

8.2 Kazakis N., Vargemezis G., Voudouris K., Dimadi A., Fikos I. (2016). Estimation of specific yield of porous aquifer in Anthemountas River basin (North Greece) using geoelectrical methods. 43nd IAH Congress. Hydrogeology: 60 years. 25-29 September, Montpellier, France.

15.2.9 Book Chapter

9.1 Kazakis N., Voudouris K. (2011) Comparison of three applied methods of groundwater vulnerability mapping: A case study from the Florina basin, Northern Greece. In: Lambrakis N., Stournaras G., Katsanou K. (eds) Advances in the Research of Aquatic Environment. Environmental Earth Sciences. Springer, Berlin, Heidelberg.

15.2.10 Abstracts in International Conferences

- 10.1** Ioannidou A., Noli F., Vargemezis G., **Kazakis N.** (2015). The Uranium Isotopes in the characterization of groundwater in Anthemountas river basin, Northern Greece. International Symposium on Isotope Hydrology: Revisiting Foundations and Exploring Frontiers, 11-15 May, IAEA's Headquarters in Vienna, Austria.
- 10.2** **Kazakis N.**, Noli F., Vargemezis G., Ioannidou A. (2015) Uranium Isotopes variation on different aquifers in Thermi – Vasilika region, Northern Greece, ENVIRA 2015, Environmental Radioactivity International Conference, 114-116 Sep2015, Thessaloniki, Greece.
- 10.3** **Kazakis N.**, Ollivier C., Chalikakis K., Mazzilli N., Manakos A., Voudouris K. (2018) Groundwater vulnerability assessment in the Strategic Greek Karst Aquifer of Damasi Titanos using QGIS PaPRIKa plugin. EuroKarst. Besancon, 2-6 July.
- 10.4** Voudouris K., **Kazakis N.** (2018) General characteristics and classification of karst aquifers in Greece. REVIEW OF THE BULGARIAN GEOLOGICAL SOCIETY, vol. 79, part 3, p. 159–160.
- 10.5** Busico, G., Ntona, M., Gavriilidou, E., **Kazakis, N.**, Colombani, N., Mastrocicco, M. (2019) Limitations of using weighting-rating and quality index methods to assess seawater intrusion: the case study of Thermaikos Gulf (Greece). XIX WORLD WATER DAY "Gestione e difesa delle coste." Accademia Nazionale dei Lincei, Rome, 21 March.
- 10.6** Busico, G., **Kazakis N.**, Colombani, N., Tedesco D., Mastrocicco, M. (2019). Inferring different hydrogeochemical processes in a coastal aquifer via factor analysis. 4th National Meeting on Hydrogeology - FLOWPATH Milano, 12-14 June.
- 10.7** **Kazakis N.**, Busico, G., Colombani, N., Voudouris K., Mastrocicco, M. (2019). Assessing aquifer vulnerability to seawater intrusion accounting for surface water bodies. 4th National Meeting on Hydrogeology - FLOWPATH Milano, 12-14 June.
- 10.8** Kazakis N., M.M. Ntona M.M., Bannenberg M., Gavrilidou E., Lappos S., Voudouris K. (2019) A methodology to delineate protection zone in Karst Aquifers. The case of Kozani, Greece. 15th International Congress of the Geological Society of Greece. Athens, 22-24 May.
- 10.9** Matiatos I., Wassenaar L.I., Douence C., Alonso-Hernandez C., Boeckx P., Bouchaou L., Edirisinghe E.A.N.V., Fadhullah W., Fianko J. R., Goody D., **Kazakis N.**, Li S.L., Michalski G., Montory M., Romanelli A., Sacchi E., Sanyal P., Tamoooh F., Trinh A.D., Venkiteswaran J., Welti N., (2019) The IAEA coordinated research project on Isotopes to study nitrogen pollution and eutrophication of Rivers and Lakes. International Symposium on Isotope Hydrology, 20–24 May 2019, Vienna, Austria.

- 10.10 Kazakis N.,** Krajcar Bronic I., Baresic J., Philippou K., Paschalidis I., Kalaitzidou K., Mitrakas M., Ioannidou A. (2019) Seasonal variations of tritium, uranium and stable isotopes in groundwater and spring waters in the Anthemountas basin, Northern Greece. International Symposium on Isotope Hydrology, 20–24 May 2019, Vienna, Austria.
- 10.11 Kazakis N.,** Krajcar Bronic I., Baresic J., Philippou K., Paschalidis I., Kalaitzidou K., Mitrakas M., Ioannidou A. (2019) Seasonal variations of tritium, uranium and stable isotopes in groundwater and spring waters in the Anthemountas basin, Northern Greece. International Symposium on Isotope Hydrology, 20–24 May 2019, Vienna, Austria.
- 10.12 Matiatos I.,** Wassenaar L.I., Monteiro L., Moya A.G., Boeckx P., Lhoussaine Bouchaou L., Edirisinghe V., Fadhillah W., Fianko J.R., Gooddy D., Kazakis N., Michalski G., Rivera D., Romanelli A., Sacchi E., Sanyal P., Siliang L., Tamooch F., Luu M., Venkiteswaran J.J., Welti N. (2020): A global synthesis of dual nitrate isotope values in rivers and groundwaters. EGU General Assembly 2020. EGU2020-22154.

15.2.11 Abstracts in National Conferences

- 11.1 Kazakis N.,** Tziolas N., Pavlou A. (2015). Hydrochemical regime of groundwater in Sochos area, Northern Greece. 12th Conference of Chemistry of Greece and Cyprus, 8-10 May, Thessaloniki.
- 11.2 Kaprara E., Kazakis N.,** Kalaitzidou K., Simeonidis K., Zouboulis A., Mitrakas M., (2015). Occurrence of Cr (VI) in Greece and assessment of water treatment methods. 12th Conference of Chemistry of Greece and Cyprus, 8-10 May, Thessaloniki.
- 11.3 Kazakis N.,** Kantiranis N., Kalaitzidou K., Kaprara E., Mitrakas M., Vargemezis G., Tsourlos P., Zouboulis A., Filippidis A., (2016) Origin of Cr (VI) in groundwaters of Sarigkiol basin. 22th Conference of Chemistry, 2-4 December, Thessaloniki.

15.2.12 Abstracts in Annals

- 12.1 Kazakis N.** (2018). Water resource depletion in Central Macedonia. Qualitative and quantitative groundwater assessment of the Anthemountas basin.