

Zoi Dokou, Ph.D.

Assistant Research Professor · UCONN PIRE Project Manager
Civil and Environmental Engineering, University of Connecticut
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860- 486-5023, zoi.dokou@uconn.edu

EDUCATION

2002 – 2008: Ph.D. in Civil and Environmental Engineering, University of Vermont, USA.
1997 – 2002: B.S. in Environmental Engineering, Technical University of Crete, Greece.

PROFESSIONAL APPOINTMENTS

08/23/2017 – today Assistant Research Professor. Department of Civil and Environmental Engineering, University of Connecticut, USA.
Project Manager, NSF PIRE: Taming Water in Ethiopia
06/01/2016 – 08/22/2017 Postdoctoral Fellow. Department of Civil and Environmental Engineering, University of Connecticut, USA.
01/01/2013 – 31/10/2015 Senior Researcher. Department of Natural Resources and Environment, Technological Educational Institute of Crete, Greece
01/09/2011 – 05/31/2016 Senior Researcher and Instructor. School of Environmental Engineering, Technical University of Crete, Greece.
03/01/2008 – 08/31/2011 Postdoctoral Research Associate. School of Environmental Engineering, Technical University of Crete, Greece.
11/12/2007 – 31/2/2008 Postdoctoral Research Associate. Department of Civil and Environmental Engineering, University of Vermont, USA.

PUBLICATIONS IN PEER REVIEWED JOURNALS

*denotes that lead author is a student I mentor(ed)/co-advise(d), *graduate student **undergraduate student

1. A. Pappa*, **Z. Dokou** and G.P. Karatzas (2017) Simulation and management of saltwater intrusion at a coastal aquifer in Crete, Greece, *Desalination and Water Treatment Journal* **(accepted)**
2. N.N. Kourgialas, G.P. Karatzas, **Z. Dokou**, A. Kokorogiannis (2017) Groundwater footprint methodology as policy tool for balancing water needs (agriculture & tourism) in water scarce islands - The case of Crete, Greece. *Science of the Total Environment*, 615, 381–389; doi.org/10.1016/j.scitotenv.2017.09.308
3. M. Siaka**, **Z. Dokou** and G.P. Karatzas (2017) Management of the saltwater intrusion phenomenon in the alluvial aquifer of Katapola, Amorgos, Greece, *Water Science and Technology Journal, uncorrected proof*, ws2017160; [doi: 10.2166/ws.2017.160](https://doi.org/10.2166/ws.2017.160)

4. A. Staboultzidis**, **Z. Dokou** and G.P. Karatzas (2017) Capture zone delineation and protection area mapping in Agia, Crete, Greece, *Environmental Processes* (**online first**) [doi: 10.1007/s40710-017-0221-3](https://doi.org/10.1007/s40710-017-0221-3)
5. C. Gamvroudis*, **Z. Dokou**, N.P. Nikolaidis and G.P. Karatzas (2017) Impacts of surface and groundwater variability response to future climate change scenarios in a large Mediterranean watershed, *Environmental Earth Sciences*, 76:385, [doi: 10.1007/s12665-017-6721-7](https://doi.org/10.1007/s12665-017-6721-7)
6. **Z. Dokou**, M.D. Dettoraki, G.P. Karatzas, E.A. Varouchakis and A. Pappa (2017). Utilizing successive linearization optimization to control the saltwater intrusion phenomenon in unconfined coastal aquifers in Crete, Greece, *Environmental Modeling and Assessment*, 22: 115, [doi: 10.1007/s10666-016-9529-z](https://doi.org/10.1007/s10666-016-9529-z)
7. **Z. Dokou**, G.P. Karatzas, I. Panagiotakis and D. Dermatas (2017). Groundwater modeling and remediation scenarios of a hexavalent chromium plume released from an industrial site, *Bulletin of Environmental Contamination and Toxicology*, 98(3), 338-346, [doi: 10.1007/s00128-016-1951-z](https://doi.org/10.1007/s00128-016-1951-z)
8. D. Aydin-Sarikurt, **Z. Dokou**, N.K. Copty and G.P. Karatzas (2016) Experimental Investigation and Numerical Modeling of Enhanced DNAPL Solubilization in Saturated Porous Media, *Water, Air, & Soil Pollution*, 227:441, [doi: 10.1007/s11270-016-3136-0](https://doi.org/10.1007/s11270-016-3136-0)
9. N.N. Kourgialas, **Z. Dokou**, G.P. Karatzas, G. Panagopoulos, P. Soupios, A. Vafidis, E. Manoutsoglou, M. Schafmeister (2016). Saltwater intrusion in an intensively irrigated agricultural area: combining density-dependent modeling and geophysical methods, *Environmental Earth Sciences*, 75:15. [doi: 10.1007/s12665-015-4856-y](https://doi.org/10.1007/s12665-015-4856-y)
10. P.N. Stratis, **Z. Dokou**, G.P. Karatzas, E.P. Papadopoulou, Y.G. Saridakis (2016). PTC simulations, stochastic optimization and safety strategies for groundwater pumping management: case study of the Hersonissos coastal aquifer in Crete, *Applied Water Science*, [doi: 10.1007/s13201-016-0438-8](https://doi.org/10.1007/s13201-016-0438-8)
11. I. Athanasakis, **Z. Dokou**, E. Mathioudakis, P. Stratis and N. Vilanakis (2015). Combining stochastic optimization and numerical methods-software for the pumping management of coastal aquifers: Case study of a rectangular homogeneous aquifer, *International Journal of Mathematical Models and Methods in Applied Sciences*, 9, 727-732.
12. **Z. Dokou**, N.N. Kourgialas and G.P. Karatzas (2015). Assessing groundwater quality in Greece based on spatial and temporal analysis, *Environmental Monitoring and Assessment*, 187:774. [doi: 10.1007/s10661-015-4998-0](https://doi.org/10.1007/s10661-015-4998-0)
13. **Z. Dokou**, V. Karagiorgi, G.P. Karatzas, N.P. Nikolaidis and N. Kalogerakis (2015). Large scale groundwater flow and hexavalent chromium transport modeling under current and future climatic conditions: The case of Asopos River Basin, *Environmental Science and Pollution Research*, 23: 5307. [doi:10.1007/s11356-015-5771-1](https://doi.org/10.1007/s11356-015-5771-1)
14. G.P. Karatzas, **Z. Dokou** (2015). Optimal management of saltwater intrusion in the coastal aquifer of Malia, Crete (Greece), using particle swarm optimization, *Hydrogeology Journal*, 23(6), 1181-1194. [doi:10.1007/s10040-015-1286-6](https://doi.org/10.1007/s10040-015-1286-6)

15. N.N. Kourgialas, **Z. Dokou**, G.P. Karatzas (2015). Statistical analysis and ANN Modeling for Predicting Hydrological Extremes under Climate Change Scenarios. *Journal of Environmental Management*, 154, 86–101. [doi:10.1016/j.jenvman.2015.02.034](https://doi.org/10.1016/j.jenvman.2015.02.034)
16. E. Tapoglou*, I.C. Trichakis, **Z. Dokou**, G.P. Karatzas and N. Nikolos (2014). Groundwater level forecasting under climate change scenarios using an artificial neural network trained with particle swarm optimization. *Hydrological Sciences Journal*, 59(6), 1225–1239. [doi:10.1080/02626667.2013.838005](https://doi.org/10.1080/02626667.2013.838005)
17. E. Seferou, P. Souplos, N. Kourgialas, **Z. Dokou**, G. Karatzas, E. Candasayar, N. Papadopoulos, V. Dimitriou, A. Sarris, M. Sauter (2013). Olive oil mill waste transport in unsaturated and saturated laboratory conditions using geophysical techniques and the FEFLOW model. *Hydrogeology Journal*, 21(6), 1219–1234. [doi:10.1007/s10040-013-0996-x](https://doi.org/10.1007/s10040-013-0996-x)
18. **Z. Dokou**, G.P. Karatzas (2013). Multi-objective optimization for free phase LNAPL recovery using evolutionary computation algorithms, *Hydrological Sciences Journal* 58(3), 671–685. [doi:10.1080/02626667.2012.754103](https://doi.org/10.1080/02626667.2012.754103)
19. D. Moraetis, N.P. Nikolaidis, G.P. Karatzas, **Z. Dokou**, N. Kalogerakis, L. Winkel, A. Palaiogianni-Bellou (2012). Origin and mobility of hexavalent chromium in North-Eastern Attica, Greece. *Applied Geochemistry*, 27(6), 1170–1178. [doi:10.1016/j.apgeochem.2012.03.005](https://doi.org/10.1016/j.apgeochem.2012.03.005)
20. **Z. Dokou** and G.P. Karatzas (2012). Saltwater intrusion estimation in a karstified coastal system using density-dependent modelling and comparison with the sharp-interface approach. *Hydrological Sciences Journal*, 57(5), 985 – 999. [doi:10.1080/02626667.2012.690070](https://doi.org/10.1080/02626667.2012.690070)
21. **Z. Dokou**, G.F. Pinder (2011). Extension and field application of an integrated DNAPL source identification algorithm that utilizes stochastic modeling and a Kalman filter. *Journal of Hydrology*, 398(3-4), 277-291. [doi:10.1016/j.jhydrol.2010.12.029](https://doi.org/10.1016/j.jhydrol.2010.12.029)
22. **Z. Dokou**, G.F. Pinder (2009) Optimal search strategy for the definition of a DNAPL source. *Journal of Hydrology*, 376(3-4), 542-556. [doi:10.1016/j.jhydrol.2009.07.062](https://doi.org/10.1016/j.jhydrol.2009.07.062)

SUBMITTED MANUSCRIPTS

1. O. Tzoraki, **Z. Dokou**, G. Christodoulou, P. Gaganis, G.P. Karatzas, Assessing the efficiency of a coastal Managed Aquifer Recharge (MAR) system in Cyprus. *Science of the Total Environment* (under revision)
2. N.N. Kourgialas, I. Anyfanti, G.P. Karatzas, **Z. Dokou**, An integrated method for assessing drought prone areas – Water efficiency practices for a climate resilient Mediterranean agriculture. *Science of the Total Environment* (submitted)

BOOK CHAPTERS

1. Souplos P., N.N. Kourgialas, **Z. Dokou**, G.P. Karatzas, G. Panagopoulos, A. Vafidis, and E. Manoutsoglou (2015) Modeling saltwater intrusion at an agricultural coastal area using

geophysical methods and the FEFLOW model, *Engineering Geology for Society and Territory - Volume 3: River Basins, Reservoir Sedimentation and Water Resources*, ISBN 978-3-319-09053-5, 249-252.

CONFERENCE PUBLICATIONS

*denotes that lead author is a student I mentor(ed)/co-advise(d), *graduate student **undergraduate student

1. C. Goumas**, **Z. Dokou**, G.G. Morianou, N.N. Kourgialas and G.P. Karatzas (2017) Using groundwater flow simulation of the Chania Plain area to propose a proper irrigation plan, *10th WORLD CONGRESS on Water Resources and Environment "Panta Rhei"*, Athens, Greece, 5-8 July.
2. **Z. Dokou**, G.P. Karatzas D. Aydin-Sarikurt and N.K. Coptly (2016) Optimizing ethanol enhanced NAPL remediation using evolutionary algorithms, *2nd EWaS International Conference on "Efficient & Sustainable Water Systems toward Worth Living Development"*, Chania, Greece, June 1-4, *Procedia Engineering*, 162, 317-323. [doi:10.1016/j.proeng.2016.11.068](https://doi.org/10.1016/j.proeng.2016.11.068)
3. M. Siaka**, **Z. Dokou** and G.P. Karatzas (2016) A study of groundwater flow and saltwater intrusion at the alluvial aquifer of Katapola at the island of Amorgos, Greece, *2nd EWaS International Conference on "Efficient & Sustainable Water Systems toward Worth Living Development"*, Chania, Greece, June 1-4.
4. A. Staboultzidis**, **Z. Dokou** and G.P. Karatzas (2016) Delineation of wellhead protection areas in Crete, Greece using an analytic element model, *2nd EWaS International Conference on "Efficient & Sustainable Water Systems toward Worth Living Development"*, Chania, Greece, June 1-4, *Procedia Engineering*, 162, 324-331, doi.org/10.1016/j.proeng.2016.11.070
5. A. Pappa*, T.N. Olsthoorn, **Z. Dokou** and G.P. Karatzas (2016) Simulation and management of saltwater intrusion at a coastal aquifer in Crete, Greece, *2nd EWaS International Conference on "Efficient & Sustainable Water Systems toward Worth Living Development"*, Chania, Greece, June 1-4.
6. C. Gamvroudis*, N.P. Nikolaidis, G.P. Karatzas and **Z. Dokou** (2016) Simulating the spatio-temporal distribution of groundwater levels under climate change scenarios using an integrated surface-ground water model, *2nd EWaS International Conference on "Efficient & Sustainable Water Systems toward Worth Living Development"*, Chania, Greece, June 1-4.
7. I. Athanasakis, **Z. Dokou**, E. Mathioudakis, P. Stratis and N. Vilanakis (2015) Combining stochastic optimization and numerical methods-software for the pumping management of coastal aquifers: case study of a rectangular homogeneous aquifer, *Conference in Mathematical Methods and Computational Techniques in Science and Engineering*, Bratislava, Slovakia, November 28-30.
8. **Z. Dokou**, A. Stampouli, G.P. Karatzas, D. Aydin Sarikurt and N.K. Coptly (2015) Modeling ethanol-enhanced DNAPL remediation in a two-dimensional experimental setting, *14th International Conference on Environmental Science and Technology*, Rhodes, Greece,

September 3-5.

9. P.N. Stratis, **Z. Dokou**, G.P. Karatzas, E.P. Papadopoulou and Y.G. Saridakis (2015) Stochastic optimization and numerical simulation for pumping management of the Hersonissos fresh water coastal aquifer in Crete, *19th International Conference on Circuits, Systems, Communications and Computers, (CSCC 2015), Zakynthos, Greece, July 16-20.*
10. D. Aydın Sarikurt, K. Yakşi, N.K. Coptý, E. Tapoglou, **Z. Dokou** and G.P. Karatzas (2015) Cosolvent flushing for remediation of groundwater contaminated with DNAPL, *7th International Conference on Porous Media & Annual Meeting, Padova, Italy, May 18 – 21.*
11. P. Soupios, N.N. Kourgialas, **Z. Dokou**, G.P. Karatzas, G. Panagopoulos, A. Vafidis, and E. Manoutsoglou (2014) Modeling saltwater intrusion at an agricultural coastal area using geophysical methods and the FEFLOW model, *Engineering Geology for Society and Territory, IAEG XII CONGRESS, Torino, Italy, September 15-19.*
12. **Z. Dokou**, G.P. Karatzas, N.P. Nikolaidis and N. Kalogerakis (2013) Mapping of chromium in the greater area of Asopos river basin, *13th International Conference on Environmental Science and Technology (CEST), Athens, Greece, September 5-7.*
13. **Z. Dokou**, N.N. Kourgialas and G.P. Karatzas (2013) Spatial and temporal distribution of groundwater contamination in Greece based on historical data, *8th International Conference of EWRA, Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, June 26-29.*
14. N.N. Kourgialas, **Z. Dokou** and G.P. Karatzas (2013) An ANN technique for flood and drought forecasting in a Mediterranean river basin using global change scenarios, *8th International Conference of EWRA, Water Resources Management in an Interdisciplinary and Changing Context, Porto, Portugal, June 26-29.*
15. G. Christodoulou, **Z. Dokou**, O. Tzoraki, P. Gaganis and G.P. Karatzas (2013) Attenuation capacity of a coastal aquifer under managed recharge by reclaimed wastewater, *First International Conference on Remote Sensing and Geoinformation of Environment, Paphos, Cyprus, April 8-10.*
16. E. Tapoglou*, I.C. Trichakis, **Z. Dokou** and G.P. Karatzas (2012) Use of a particle swarm optimization for training an artificial neural network: Application in groundwater resources, *2nd Joint Conference of E.Y.E. – E.E.Δ.Y.II.: Integrated Water Resources Management towards Sustainable Growth, 11-13 October, Patras, Greece (in Greek).*
17. M.D. Dettoraki*, **Z. Dokou**, E.A. Varouchakis and G.P. Karatzas (2012) Optimal pumping scenarios for the estimation of the saltwater intrusion front in the coastal aquifer of Tympaki, Crete–Greece, *EGU General Assembly, Vienna, Austria, April 22- 27.*
18. E. Tapoglou*, I.C. Trichakis, **Z. Dokou**, and G.P. Karatzas (2012) Groundwater level forecasting using an artificial neural network trained with particle swarm optimization, *EGU General Assembly, Vienna, Austria, April 22 – 27.*
19. M.P. Papadopoulou, **Z. Dokou**, G.P. Karatzas and C.I. Zahariadi (2010) Estimation of the

- seawater intrusion front in a coastal karstified system using a density-dependent flow approach, *6th International Symposium of Environmental Hydraulics, Athens, Greece, June 23-25*.
20. **Z. Dokou**, G.P. Karatzas (2010) Employing evolutionary algorithms for optimizing free phase LNAPL recovery, *XVIII International Conference on Computational Methods in Water Resources, Barcelona, Spain, June 21 – 24*.
 21. G.F. Pinder, **Z. Dokou** (2009) Optimal search strategy for the definition of a Dense Non-Aqueous Phase Liquid (DNAPL) source, Hydrology Days Award Lecture, *American Geophysical Union (AGU) Hydrology Days, USA, March 25 - 27*.
 22. **Z. Dokou**, G.F. Pinder (2007) Optimal search strategy for the definition of a DNAPL source. *Partners in Environmental Technology Technical Symposium and Workshop, Washington DC, USA, December 4-6*.
 23. **Z. Dokou**, G.F. Pinder (2006) Least cost search algorithm for the identification of a DNAPL source. *XVI International Conference "Computational Methods in Water Resources", Copenhagen, Denmark, June 18-22*.
 24. **Z. Dokou**, G.F. Pinder, Y. Zhang and M. Ozbek (2004) Search strategy for a DNAPL source. *AGU Fall Meeting, San Francisco, California, USA, December 13-17*.
 25. **Z. Dokou**, G.F. Pinder (2004) Search strategy for the definition of a DNAPL source. *Partners in Environmental Technology Technical Symposium and Workshop, Washington DC, USA, December 13-17*.
 26. **Z. Dokou**, G.F. Pinder and Y. Zhang (2004) Optimal search strategy for the definition of a DNAPL source. *XV International Conference "Computational Methods in Water Resources", Chapel Hill, North Carolina, USA, June 13-17*.
 27. **Z. Dokou**, G.F. Pinder and Y. Zhang (2003) Optimal search strategy for the definition of a DNAPL source, *AGU Fall Meeting, San Francisco, California, USA, December 8-12*.
 28. **Z. Dokou**, A-S.A. Mouskeftara, D.K. Pagalou and G.P. Karatzas (2003) Modeling Groundwater and Nitrate Transport in the Upper Aquifer of the Coastal Area of the Corinthian Gulf, *9th Conference of Hellenic Hydrotechnical Association, Thessaloniki, Greece, 345-352, April 2-5*.
 29. T. Manios, A. Mouskeftara, **Z. Dokou**, D. Pagalou and A. Tsitonaki (2002) Reviewing the basic design parameters affecting the disinfection of sand filters. *Regional Symposium on Water Recycling in Mediterranean Region - Iraklio, Crete, Greece, September 26 - 29*.

RECOGNITION - AWARDS

- Fall 2016** Commendation for “Excellence in Teaching” by the University of Connecticut’s Provost’s Office (received a score of 5/5 in student evaluations).
- December 2015** Congratulatory note by the National Ground Water Association (NGWA) on the publication of the paper entitled “Large scale groundwater flow and hexavalent chromium transport modeling under current and future climatic

conditions: the case of Asopos River Basin.”

1/2003 – 2/2008 United States Department of Defense (DoD) grant for PhD research.

RESEARCH PROJECTS

Current Projects

Project: NSF PIRE: Taming Water in Ethiopia - An Interdisciplinary Approach to Improve Human Security in a Water-Dependent Emerging Region (2016-2021)

Funding agency: NSF, Role: Project Manager and Senior Researcher, Location: University of Connecticut

Submitted Proposals

Project: Precipitation, Assimilation and Resolution (PARE): understanding their importance and interdependence for advancing the modeling of terrestrial hydrologic processes (2018-2021)

Funding agency: NASA – Terrestrial Hydrology (ROSES 2017), Role: Co-Investigator

Past Projects

1. Multi-objective Optimization of Cosolvent Flushing of NAPLs from Contaminated Groundwater (2013-2015), 26.200 €

Funding agency: General Secretariat for Research and Technology, Bilateral R & T Cooperation between Greece-Turkey, Role: Co-investigator, Location: Technical University of Crete, Greece.

2. Geodiametris: Integrated geoinformatics technologies for time-lapse monitoring of land pollution from the disposal of olive-oil mills wastes (2013-2015), 526,215.10 €

Funding Agency: European Union – Thales Project, Role: Senior Researcher, Location: Technological Educational Institute of Crete

3. Interdisciplinary study for exploring, understanding and management of groundwater resources. Pilot field investigation northwest and central Crete, Aquadam (2013-2015)

Funding Agency: European Union - Archimedes III, Role: Senior Researcher, Location: Technological Educational Institute of Crete

4. LIFE ENV CHARM - Chromium in Asopos groundwater system: Remediation technologies and Measures (2011-2015), 2,708,267 €

Funding agency: European Union: LIFE+ Environment Policy and Governance, Role: Senior Researcher, Location: Technical University of Crete

5. Development of a groundwater simulator (numerical model) of the Malia coastal aquifer (2011-2013), 20.453 €

Funding: Hydroeoliki Agaiou, Role: Senior Researcher, Location: Technical University of Crete

6. Development of an electrical tomography study and groundwater modeling of the coastal area of PIRKAL (2009-2010), 44.030 €

Funding: Hellenic Petroleum A.E., Role: Researcher, Location: Technical University of Crete

7. Development of a remediation design of the coastal area of PIRKAL (2008-2009)

Funding: Hellenic Petroleum A.E., Role: Researcher, Location: Technical University of Crete

8. FLOODMED 5D214 – Monitoring, forecasting and best practices for flood mitigation and prevention in the CADGES region (2006-2008) 200,000 €

Funding Agency: European Union - INTERREG IIIB, Role: Researcher, Location: Technical University of Crete

9. Optimal search strategy for the definition of a DNAPL (Dense Non-Aqueous Phase Liquid) source (2003-2008)

Funding Agency: United States Department of Defense (DoD) and Strategic Environmental Research and Development Project (SERDP), Role: Graduate Research Assistant and Postdoctoral Researcher, Location: University of Vermont

TEACHING EXPERIENCE

Instructor

Civil and Environmental Engineering, University of Connecticut, USA

Fluid Mechanics (Fall 2017)

Groundwater Flow Modeling -graduate level (Fall 2016)

Fluid Mechanics Lab (Fall 2016, Spring 2017)

Mineral Resources Engineering, Technical University of Crete, Greece

Applied Fluid Mechanics (Spring 2016, Spring 2015, Spring 2014, Spring 2013)

Environmental Engineering, Technical University of Crete, Greece

Mathematical Methods in Environmental Engineering (Spring 2013)

Groundwater Flow and Contaminant Transport (Spring 2012)

Fluid Mechanics (Fall 2011)

Teaching Assistant

Environmental Engineering, Technical University of Crete, Greece

Optimization of Environmental Systems (Spring 2013)

Groundwater Flow and Contaminant Transport (Spring 2008-2016)

Fluid Mechanics (Fall 2008-2015)

Civil and Environmental Engineering, University of Vermont, USA

Mechanics of Materials (Fall 2002)

Short-course Instructor

Civil and Environmental Engineering, University of Vermont, USA

Optimization and Groundwater Remediation (August 2004)

Modeling Groundwater Contamination by Non-Aqueous Phase Liquids (NAPLs) (January 2003)

Advising – Mentoring

Civil and Environmental Engineering, University of Connecticut, USA

2 PhD students (co-advising), 1 PhD student (Committee Member), 2 PhD students (mentoring)

Senior Design Project advisor (2016-2017: 1 project, 2017-2018: 3 projects)

Environmental Design of Infrastructure Works, Hellenic Open University, Greece.

3 Master students (advising)

School of Environmental Engineering, Technical University of Crete, Greece

2 PhD students (mentoring), 4 Master students (mentoring), 15 undergraduate students (mentoring), Committee member of 10 undergraduate theses.

CONFERENCE CHAIRING AND COMMITTEE MEMBERSHIPS

Organizing Committee Member:	EWaS2 International Conference, Chania, Greece, 2016
Scientific Committee Member:	EWaS2 International Conference, Chania, Greece, 2016 EWaS3 International Conference, “Insights on the Water-Energy-Food Nexus”, Lefkada, Greece, 2018.
Session Chair:	EWaS2 International Conference, Chania, Greece, 2016
Other:	Conference and scientific meetings organization (ExTECH2014, EWaS2 International Conference)

CAMPUS TALKS

1. The saltwater intrusion problem in coastal aquifers and sustainable management options. Research Lecture Series for the Postgraduate Program: ‘Environmental and Sanitary Engineering’, *Department of Environmental Engineering, Technical University of Crete, Greece, November 2014.*
2. Decision Support Systems for the management of LNAPL (Light Non-Aqueous Phase Liquid) contamination. Research Lecture Series for the Postgraduate Program: ‘Environmental and Sanitary Engineering’, *Department of Environmental Engineering, Technical University of Crete, Greece, November 2012.*
3. Groundwater flow and transport simulation models: Applications in the field. Research Lecture Series for the Postgraduate Program: ‘Environmental and Sanitary Engineering’, *Department of Environmental Engineering, Technical University of Crete, Greece, October 2009.*

JOURNAL REVIEWER

1. Water Resources Research (Wiley)
2. Advances in Water Resources (Elsevier)
3. Journal of Hydrology (Elsevier)
4. Journal of Environmental Informatics (ISEIS)
5. Environmental Science and Pollution Research (Springer)
6. Journal of Contaminant Hydrology (Elsevier)
7. Water Resources Management (Springer)
8. Stochastic Environmental Research and Risk Assessment (Springer)
9. Hydrogeology Journal (Springer)
10. Hydrological Sciences Journal (Taylor & Francis)
11. Journal of Environmental Engineering (ASCE)
12. Water (MDPI)
13. Journal of Hydroinformatics (IWA)
14. Int. Journal of Water Resources Development (Taylor & Francis)
15. Civil Engineering and Environmental Systems (Taylor & Francis)
16. Global Nest
17. Environmental Processes (Springer)

EXTERNAL REVIEWER OF RESEARCH GRANT PROPOSALS

Le Studium (Loire Valley Institute for Advanced Studies) Research Fellowships (co-funded by a Horizon 2020 grant in the category of the Marie Skłodowska-Curie Actions).

SKILLS - PROGRAMMING EXPERIENCE

Operating systems: Windows, Microsoft Office
Programming languages: Fortran, Matlab
Groundwater models: MODFLOW, FEFLOW, BIGFLOW, PTC, NAPL Simulator 2D and 3D, FEHM, UTCHEM, MOVER, BIOF&T, Bioscreen, Biochlor, WhAEM, GWM
Other software: ArcGIS, AutoCAD, WaterCAD, MathCAD

LANGUAGES

Greek: fluent (native language), English: fluent, Spanish: good knowledge
French: basic knowledge German: basic knowledge

PROFESSIONAL SOCIETY MEMBERSHIPS

10/2016 – today Earth Science Women's Network
12/2012 – today European Water Resources Association (EWRA)
7/2004 – today Technical Chamber of Greece (TEE)
1/2003 – today American Geophysical Union (AGU)
9/2002 – today Research Center for Groundwater Remediation Design (RCGRD)

VOLUNTEER WORK

04/08/2017 *School of Engineering Open House* – Spring 2017, University of Connecticut. Participated with lab demonstrations on groundwater flow, contaminant transport and saltwater intrusion in coastal aquifers.
12/07/2013 *Science & Technology Day*, one-day event for elementary school children, Technical University of Crete, Chania, Greece. Participated with lab demonstration on groundwater flow and contaminant transport.

PROFILES

https://www.researchgate.net/profile/Zoi_Dokou
<https://scholar.google.com/citations?user=YxP-N24AAAAJ&hl>
<http://ucwater.engr.uconn.edu/person/zoi-dokou/>
<http://pire.engr.uconn.edu/zoi-dokou>