

# Curriculum Vitae

## Personal information

**Name** **Dr.Eng. Andreas Kallioras**  
**Address** Heroon Polytechniou Str. 9, 15780 Zografou, Athens, Greece  
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**Nationality** Greek  
**Date of birth** 07/06/1976  
**Gender** Male

## Work Experience

**Dates** 02/2012 up to present  
**Occupation or position held** Guest Fellow Helmholtz Centre for Environmental Research GmbH – UFZ, Germany  
**Main activities and responsibilities** Field coordinator of Research Initiative “Terrestrial Environmental Observatories in the Mediterranean – TERENO-MED”  
-Development of a network of Environmental Observatories in the Mediterranean with focus on Water Resources Management in the light of Climate and Global Changes  
-Setting up of appropriate field monitoring equipment for the observatories

**Dates** 09/2010 up to present  
**Occupation or position held** Elected Lecturer, Laboratory of Engineering Geology and Hydrogeology, School of Mining and Metallurgical Engineering, National Technical University of Athens, Athens, Greece .  
**Main activities and responsibilities** –Lecturing at: National Technical University of Athens (Greece), Technical University of Darmstadt (Germany) and Democritus University of Thrace (Greece)  
–Field investigations of groundwater recharge in arid regions (Reference sites in Saudi Arabia)  
–Development of prototype TDR sensors for unsaturated zone monitoring,  
–Multilevel soil sampling using direct push vibro-coring methodology,  
–Porewater extraction methods for unsaturated zone soil samples,  
–Field measurements of groundwater qualitative and quantitative characteristics,  
–Design of GIS maps for groundwater resources investigation,  
–Field investigations of degraded (saline and water repellent) soils in coastal areas subjected to seawater intrusion conditions  
–Academic authoring (lecture notes in the field of groundwater resources management and engineering for undergraduate and postgraduate programs),  
–Authoring of research proposals, research papers in conferences and scientific journals and presentation of papers in conferences, scientific technical reports.

**Dates** 11/2008 to 12/2010  
**Occupation or position held** PostDoc – Hydrogeology Group, Institute of Applied Geosciences, Technical University of Darmstadt, Germany.  
**Main activities and responsibilities** –Field investigations of groundwater recharge in arid regions (Reference sites in Saudi Arabia)  
–Development of prototype TDR sensors for unsaturated zone measurements,  
–Multilevel soil sampling using direct push vibro-coring methodology,  
–Porewater extraction methods for unsaturated zone soil samples,  
–Field investigations of degraded (saline and water repellent) soils in coastal areas subjected to seawater intrusion conditions  
–Academic authoring (lecture notes in the field of groundwater resources management and engineering for postgraduate programme TROPHEE),  
–Academic lecturing (groundwater hydraulics, advanced applied hydrogeology for undergraduate and postgraduate programs)  
–Authoring of proposals for research projects, research papers in conferences and scientific journals and presentation of papers in conferences, scientific technical reports.

Dates	05/2001 to 10/2008
Occupation or position held	Research Associate – Laboratory of Engineering Geology, Department of Civil Engineering, Democritus University of Thrace, Greece.
Main activities and responsibilities	<ul style="list-style-type: none"> <li>–Field measurements of groundwater qualitative and quantitative characteristics,</li> <li>–Geophysical measurements and pumping tests,</li> <li>–Design of GIS maps for groundwater resources investigation,</li> <li>–Field investigations of contaminated (saline and water repellent) soils in coastal areas subjected to seawater intrusion conditions</li> <li>–Research for potable water sources,</li> <li>–Chemical analyses of water samples,</li> <li>–Academic authoring (lecture notes in the field of groundwater resources management and engineering for undergraduate and postgraduate programs),</li> <li>–Academic lecturing (groundwater hydraulics, advanced applied hydrogeology for undergraduate and postgraduate programs)</li> <li>–Authoring of proposals for research programs in Greece and internationally, research papers in conferences and scientific journals and presentation of papers in conferences, scientific technical reports.</li> </ul>

## Education and training

Dates	December 2002 – February 2008
Title of qualification awarded	PhD (with excellence)
Principal subjects/occupational skills covered	Dissertation Title: Groundwater resources management of aquifers subjected to seawater intrusion regime. The case of western plain coastal area of Rhodope, Greece.
Name and type of organisation providing education and training	Democritus University of Thrace, School of Engineering, Department of Civil Engineering.

Dates	October 2001 – October 2002
Title of qualification awarded	Pre-Doctoral Postgraduate Course
Principal subjects/occupational skills covered	Dissertation Title: Investigation of seawater intrusion in coastal aquifers of SW part of Rhodope, Greece.
Name and type of organisation providing education and training	Democritus University of Thrace, School of Engineering, Department of Civil Engineering, Greece.

Dates	September 1999 – November 2000
Title of qualification awarded	MSc (with Merit) in Environmental Monitoring and Assessment
Principal subjects/occupational skills covered	Dissertation Title: A comparison of Greek and British practice and methodology as enforced by the national and international legislative framework with respect to sanitary landfills.
Name and type of organisation providing education and training	Coventry University, School of Natural and Environmental Sciences, UK.

Dates	September 1995 – November 1999
Title of qualification awarded	BSc (with Hons) in Environmental Engineering
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> <li>- Engineering and environmental geology</li> <li>- Geotechnology</li> <li>- Applied fluid mechanics</li> <li>- Groundwater management</li> <li>- Water resources management</li> <li>- Environmental chemistry</li> <li>- Communication skills</li> <li>- Scientific field of undergraduate thesis: physical model in closed pipes hydraulics</li> </ul>
Name and type of organisation providing education and training	Coventry University, School of the Built Environment, UK.

## Personal skills and competences

Mother tongue(s)

Greek

Other language(s)

Self-assessment

European level (\*)

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User	C1	Proficient User
A2	Basic User	A2	Basic User	A1	Basic User	A1	Basic User	A1	Basic User

(\*) Common European Framework of Reference for Languages

## Research Interests

- Hydrogeology of coastal aquifers subjected to seawater intrusion
- Groundwater recharge in arid regions
- Management of aquifer recharge (MAR)
- Soil Aquifer Treatment (SAT) systems
- Integrated Water Resources Management (IWRM) of transboundary water resources
- Groundwater resources management of degraded aquifers in Megacities
- International Environmental Legislation of Water Resources Management

## Academic Activities

Academic teaching

- Postgraduate Academic Course in *Advanced Hydrogeology* (second semester) in Democritus University of Thrace, Greece for the Postgraduate Program of Hydraulic Engineering, 2002-2012 (Course Tutors: Prof. Dr. I. Diamantis and Assoc. Prof. Dr. F. Pliakas). Contribution to lecturing in topics of: seawater intrusion, groundwater modeling, coastal hydrogeology, coastal hydrochemistry.
- Postgraduate Academic Course in *Selected Topics in Hydrogeology* (Course Tutor: Prof. Dr. I. Diamantis), in Aristotle University of Thrace, Greece for the Postgraduate Program of Applied Environmental Geology, 2002-2008. Contribution to lecturing in topics of: hydraulics of seawater intrusion.
- Undergraduate Academic Course in *Groundwater Engineering* in Democritus University of Thrace, Greece, for the Postgraduate Program of Civil Engineering, 2005-2008 (Course Tutor: Assoc. Prof. Dr. F. Pliakas). Contribution to lecturing in topics of: seawater intrusion, groundwater modeling.
- Undergraduate Academic Course in *Engineering Geology* in Democritus University of Thrace, Greece, for the Postgraduate Program of Civil Engineering, 2007-2008 (Course Tutors: Prof. Dr. I. Diamantis and Assist. Prof. Dr. S. Skias). Contribution to lecturing in topics of: Engineering Geology Exercises.
- Postgraduate Academic Course in *Groundwater Salinisation*, in Technical University of Darmstadt, Postgraduate Programme "Tropical Hydrogeology, Engineering Geology and Environmental Management - TropHEE" Faculty of Material- and Geosciences of Technical University of Darmstadt (internationally accredited and certified by ASIIN), 2008-present. Lecturing in topics of: seawater intrusion, hydrogeology of coastal aquifers, groundwater vulnerability (Course Tutor: Dr. AOR T. Schiedek).
- Undergraduate Academic Course in *Environmental Hydrogeology* in National Technical University of Athens, Greece, for the Postgraduate Program of Mining and Metallurgical Engineering, 2010-present (Course Tutor: Assist. Prof. Dr. D. Rozos)
- Undergraduate Academic Course in *Applied Hydrogeology* in National Technical University of Athens, Greece, for the Postgraduate Program of Mining and Metallurgical Engineering, 2011-present (Course Tutor: Assist. Prof. Dr. D. Rozos)
- Undergraduate Academic Course in *Environmental Hydrogeology* in National Technical University of Athens, Greece, for the Postgraduate Program of Mining and Metallurgical Engineering, 2010-present (Course Tutor: Assist. Prof. Dr. D. Rozos).
- Co-Coordinator of the Annual 10days Field Excursion of the Postgraduate Programme "Tropical Hydrogeology, Engineering Geology and Environmental Management - TropHEE".

## Lecture notes authoring

- Postgraduate Academic Course in *Advanced Hydrogeology* (Course Tutors: Prof. Dr. I. Diamantis and Assoc. Prof. Dr. F. Pliakas) in Democritus University of Thrace, Greece for the Postgraduate Program of Hydraulic Engineering, 2002-present. Contribution to authoring of lecture notes: seawater intrusion, groundwater modeling, coastal hydrogeology, coastal hydrochemistry.
- Postgraduate Academic Course in *Selected Topics in Hydrogeology* (Course Tutor: Prof. Dr. I. Diamantis), in Aristotle University of Thrace, Greece for the Postgraduate Program of Applied Environmental Geology, 2002-present. Contribution to authoring of lecture notes: hydraulics of seawater intrusion.
- Postgraduate Academic Course in *Groundwater salinisation*, Postgraduate Programme “Tropical Hydrogeology, Engineering Geology and Environmental Management - TropHEE” Faculty of Material- and Geosciences of Technical University of Darmstadt (internationally accredited and certified by ASIIN), 2008-present. Lecture notes: seawater intrusion, hydrogeology of coastal aquifers, groundwater vulnerability.

## Professional/Scientific skills and competences

- Secretariat of the 6<sup>th</sup> Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece (IAH, International Association of Hydrogeologists), which was held in Xanthi, Greece, 8-10/11/2002.
- Social/professional skills: Founding member of the Greek Society of Environmental Engineers.
- Member of the research team for the organisation of meetings between scientific experts and land users, in the framework of Research Project: DESIRE – Desertification Mitigation and Remediation of Land – a global approach for local solutions. Funded by the E.U. under the 6<sup>th</sup> Framework Programme, [www.desire-project.eu](http://www.desire-project.eu). Project leader: Prof. Dr. C. J. Ritsema (Alterra, The Netherlands).
- Member of the scientific webteam for the design and authoring of International Water Management Portal, PWM - <http://www.portalwatermanagement.net>- The international communication and information tool for Water Management, powered by the Universities of Nijmegen (The Netherlands) and Duisburg-Essen (Germany), Web-Project Coordinator: Paul van den Heuvel, Faculty of Science, Mathematics and Computing Science, Radboud University Nijmegen, funded by the European Union and INTERREG IIIC.
- Coordinating postdoc scientist for the research program IWAS (TU Darmstadt, UFZ, GIZ - Germany)
- Coordinating postdoc scientist for the research program TERENO-MED (UFZ, Germany)
- Member of the International Roundtable for the Water Resources Management of Transboundary River Nestos Basin, under the organization of the NGO Global Water Partnership – Mediterranean (GWPMED, <http://www.gwpmed.org>), in Sofia 15-16/04/2008, Bulgaria.
- Member of the Scientific Advisory Board of the Dubrovnik 2009 Conference on Sustainable Development of Energy, Water and Environment Systems (<http://www.sdewes.fsb.hr>).
- Member of the scientific workgroup “Hydrogeology of Arid Regions”, of the German Society of Geosciences – Hydrogeology Section (Fachsektion Hydrogeologie in dem Deutsche Gesellschaft für Geowissenschaften e.V., FH-DGG) Workgroup Spokesmen Prof. Dr. Randolph Rausch & Prof. Dr. C. Schuth.
- Recognition of my professional/research/academic activities: Selected and Published curriculum vitae from Dr. Robert Docherty, Editorial Director at Marquis Who's Who in Science and Engineering (USA), 10th Anniversary Edition 2007.
- Reviewer of the Shota Rustaveli National Science Foundation (SRNSF), Ministry of Education and Science of Georgia
- Selected Biography by Nicholas S. Law, Director of General International Biographical Centre, IBC, Leading Engineers of the World 2010.

## Social skills and competences

- Communication skills: My academic studies in Greece (postgraduate and doctoral studies), the United Kingdom (undergraduate and postgraduate studies) and Germany (Postdoc researcher), provided me with the ability to easily cooperate and participate in scientific work teams with other colleagues. Working with international scientific teams during my participation in relevant research projects has significantly enhanced my skills to cooperate and communicate successfully with other partners and colleagues. Additionally my academic activities (lecturing and co-supervision of undergraduate and postgraduate courses and dissertations) improved my communication skills –especially with young scientists and students. I am currently in cooperation with scientists from Germany, Italy, Tunisia, ReUnion, Madagascar, Ethiopia, Bangladesh, Saudi Arabia, Iraq, Libya, Oman and Greece.
- Member of the local authority political movement of “Walk to the Future”, Municipality of Alexandroupolis, Greece.

## Journal/Publications Editing

- *Assistant Editor* of the Conference Proceedings of the 6<sup>th</sup> Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece (IAH, International Association of Hydrogeologists), which was held in Xanthi, Greece, 8-10/11/2002.
- *Guest Editor* (Co-Guest Editor Prof. N. Ruzinski) in Water Resources Management, Special Issue in: Sustainable Development of Energy, Water and Environment Systems (Editor in Chief: Prof. G. Tsakiris), Vol. 25, No. 12, pp. 2917-3072.
- *Guest Editor* (Co-Guest Editors Prof. Dr. C. Schuth & Assoc. Prof. F. Pliakas) in The Open Hydrology Journal, Special Issue in: Groundwater Resources Management in Coastal Regions, Vol. 6, pp. 23-67.

## Main Research Projects

*Research Associate* in Democritus University of Thrace, Department of Civil Engineering

1. “Water repellent soils. A global Project”. Project funded by the E.U., Project leader: Prof. Dr. C. J. Ritsema (Alterra, The Netherlands), 2001.
2. “DESIRE – Desertification Mitigation and Remediation of Land – a global approach for local solutions”. Project funded by the E.U. under the 6<sup>th</sup> Framework Programme, [www.desire-project.eu](http://www.desire-project.eu). Project leader: Prof. Dr. C. J. Ritsema (Alterra, The Netherlands), ongoing project.
3. “Contribution to the integrated management of water resources in coastal area. The case of Cap Bon in Tunisia”. Project coordinators: Professor P. Marinos (National Technical University, Former President of the International Association for Engineering Geology and the Environment) and Dr. N. Gaaloul (Institut National de Recherches en Génie Rural, Eaux et Forêts, INRGREF, Tunisia), 2008.
4. “RiverCross”. Project for the management of international rivers, funded by the European Union and INTERREG IIIC. Project coordinator Jos Brommer, Radboud University Nijmegen, Faculty of Sciences (Netherlands). Project Partners: Radboud University Nijmegen (Leading partner), University of Twente, University Duisburg-Essen, House of Europe (In cooperation with Centre for Land and Water Melioration), Euregion Evros-Maritza-Meric (in cooperation with Democritus University of Thrace), ([www.rivercross.nl](http://www.rivercross.nl)), 2007.
5. “International Water Management Portal, PWM”. The international communication and information tool for Water Management, powered by the Universities of Nijmegen (The Netherlands) and Duisburg-Essen (Germany), Web-Project Coordinator: Paul van den Heuvel, Faculty of Science, Mathematics and Computing Science, Radboud University Nijmegen, funded by the European Union and INTERREG IIIC, 2007.
6. International Water Research Alliance Saxony, IWAS PHASE 1: “Estimation of regional groundwater recharge in arid climate zones in Saudi Arabia” Project Leader Prof. Dr. Georg Teutsch (Universität Tübingen, Managing Director of the Helmholtz Research Center for Environmental Research – UFZ, Chairman of PEER, Partnership for European Environmental Research) and Prof. Dr. Christoph Schueth (Head of Institute for Applied Geosciences, Technical University of Darmstadt). Project funded by the Helmholtz Research Center for Environmental Research – UFZ, Germany, 2008-2010.
7. “Hydrogeological investigations of Plaghia peninsula, western Greece, and influence on archaeological settlement activities”, Project Leader, Prof. Dr. Andreas Hoppe, Institute of Applied Geosciences, Geo-Resources and Geo-Hazards Group, Technical University of Darmstadt, 2008-2010.
8. “Natural recharge and chemical characterization of groundwaters in the Horombe plateau area, SW Madagascar”, Project Leader Prof. Dr. Joël Rajaobelison, Madagascar Institut National des Sciences et Techniques Nucléaires (Madagascar-INSTN), 2008-2011.

*PostDoc Researcher* (Technical University of Darmstadt, Institute of Applied Geosciences)

Lecturer (National Technical University of Athens, School of Mining and Metallurgical Engineering)

Coordination Team (Helmholtz Centre for Environmental Research – UFZ)

Scientific/Technical Coordinator (Institute of Communications and Computer Systems, ICCS)

9. International Water Research Alliance Saxony, IWAS PHASE 2: “Estimation of regional groundwater recharge in arid climate zones in Saudi Arabia” Project Leader Prof. Dr. Georg Teutsch (Universität Tübingen, Managing Director of the Helmholtz Research Center for Environmental Research – UFZ, Chairman of PEER, Partnership for European Environmental Research) and Prof. Dr. Christoph Schüth (Head of Institute for Applied Geosciences, Technical University of Darmstadt). Project funded by the Helmholtz Research Center for Environmental Research – UFZ, Germany, 2011-2013.
10. “Characterization and Modeling of Contaminant Fate in the Dupi Tila (Principal) Aquifer of Dhaka, Bangladesh. Project Leader Prof. Dr. Christoph Schüth, Institute for Applied Geosciences, Technical University of Darmstadt, 2011-2015.
11. TERENO-MED – Terrestrial Environmental Observatories in the Mediterranean region, initiated by the two Helmholtz Centres UFZ and JÜLICH, 2012-present.
12. MARSOL – Managed aquifer recharge as a solution to combat water scarcity in the circum-Mediterranean, Funding Programme 7 (FP7)

## Scientific Publications

### Postgraduate Dissertations

- A1. KALLIORAS A. (2000). A comparison of Greek and British practice and methodology as enforced by the national and international legislative framework with respect to sanitary landfills, Master Thesis, Submitted to Coventry University (United Kingdom) for the fulfilment of MSc in Environmental Monitoring and Assessment, 2000, 81 p.
- A2. KALLIORAS A. (2002). Investigation of seawater intrusion in coastal aquifers of SW part of Rhodope, Greece, Pre-doctoral Postgraduate Thesis, Submitted to Democritus University (Greece) for the fulfilment of Pre-Doctoral Postgraduate Program, 2002, 130 p.
- A3. KALLIORAS A. (2008). Management of groundwater resources of aquifers subjected to seawater intrusion conditions. The case of western coastal part of Rhodope Prefecture, Greece. Doctoral dissertation submitted to the Department of Civil Engineering, Democritus University of Thrace (Greece), 300 p.

- B1. ANAGNOSTOPOULOS K. P., PETALAS C., **KALLIORAS A.** (2002). Water Resources Planning: An application of the multicriteria PROMETHEE and GAIA methods. B. Papathanassiou, M. Vlachopoulou (eds), 6th Balkan Conference on Operational Research, Thessaloniki 22-25 May, 2002, (CD of Proceedings).
- B2. PLIAKAS F., C. PETALAS, I. DIAMANTIS and **KALLIORAS A.** (2002). Groundwater hydrologic budget and groundwater management. The case of Pieria valley, east Macedonia, Greece. Proceedings of the 5th International Conference: Water Resources Management in the Era of Transition, Athens, 4-8/9/2002, pp. 243-251.
- B3. PETALAS C., PLIAKAS F., **KALLIORAS A.** and DIAMANTIS I. (2002). Engineering, managerial and economical elements of recent trends for the prevention of seawater intrusion in coastal aquifers, Proceedings of 6th Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece, Xanthi, Greece, pp. 23-34, [in Greek].
- B4. PLIAKAS F., DIAMANTIS I., **KALLIORAS A.** and PETALAS C. (2003). Environmental impacts of a proposed groundwater artificial recharge project in Xanthi plain, Greece. Proceedings of the 2th International Conference on Ecological Protection of the Planet Earth. Bio – Environment and Bio – Culture. Sofia, Bulgaria, 5-8/6/2003, pp. 364-371.
- B5. PLIAKAS F., DIAMANTIS I., **KALLIORAS A.** and PETALAS C. (2004). Investigation of the progress of salinisation in plain part of Rhodope, Greece, Proceedings 10th International Congress of the Geological Society of Greece, Thessaloniki, 15-17/4/2004, pp. 2057-2066, [in Greek].
- B6. PETALAS C., PLIAKAS F., DIAMANTIS I. and **KALLIORAS A.** (2004). Investigation of the distribution of precipitation in the District of Eastern Macedonia and Thrace, Greece, for the period of 1964-1998. Proceedings of the 10th International Congress of the Geological Society of Greece, Thessaloniki, 15-17/4/2004, pp. 1054-1063, [in Greek].
- B7. PLIAKAS F., VOUDOURI A., DIAMANTIS I. and **KALLIORAS A.** (2005). Recent theories and activities for the management of groundwater aquifer recharge. Proceedings of the 5th National Conference of the Greek Society of Water Resources Management, 6-9/4/2005, Xanthi, Greece, pp. 29-38, [in Greek].
- B8. **KALLIORAS A.** and PLIAKAS F. (2005). Hydrochemical characteristics of groundwaters of coastal aquifers subjected to seawater intrusion, in Rhodope, Greece. Proceedings of the 7th Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece and the 2nd Middle and East Mediterranean Workshop on Fissured Rocks hydrology (IAH, International Association of Hydrogeologists), 4-6/10/2005, Athens, Greece, pp. 163-170, [in Greek].
- B9. PLIAKAS F., **KALLIORAS A.** and GIOUGIS I. (2005). Investigations for the verification of groundwater flow model in plain area of Xanthi, Greece. Proceedings of the 7th Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece and the 2nd Middle and East Mediterranean Workshop on Fissured Rocks hydrology (IAH, International Association of Hydrogeologists), 4-6/10/2005, Athens, Greece, pp. 429-436, [in Greek].
- B10. **KALLIORAS A.**, PLIAKAS F., GIOUGIS I., DIAMANTIS I. (2005). International law and policy in transboundary groundwater resources management. Proceedings of the 3rd International Conference on Ecological Protection of the Planet Earth. Bio – Environment and Bio – Culture, Istanbul, Turkey, 10-11/6/2005 (CD Conference Proceedings).
- B11. **KALLIORAS A.**, PLIAKAS F., DIAMANTIS I. and GIOUGIS I. (2006). The phenomenon of seawater intrusion as a result of overpumping of coastal aquifer of Rhodope, Greece. Proceedings of the 10th Conference of the Greek Hydrotechnical Association (Conference subject: Water resources management and environmental protection – Recent theories, problems and perspectives), Xanthi, Greece, Conference Proceedings Xanthi, 2-4/11/2006, p. 429-436, [in Greek].
- B12. DIAMANTIS I., **KALLIORAS A.**, GIOUGIS I. and PLIAKAS F. (2006). Qualitative and quantitative characteristics of water supply conditions in the Prefecture of Drama, Greece. Proceedings of the 10th Conference of the Greek Hydrotechnical Association (Conference subject: Water resources management and environmental protection – Recent theories, problems and perspectives), Conference Proceedings Xanthi, 2-4/11/2006, p. 233-240, [in Greek].
- B13. **KALLIORAS A.**, PLIAKAS F., DIAMANTIS I. and KALLERGIS G. (2006). Seawater intrusion and management of coastal aquifers in Greece. The case study of Rhodope western coastal aquifer, International Water Association, IWA, 10th International Conference on Diffuse Pollution, Istanbul, Turkey, 18–22 September 2006, CD of Proceedings.

**Papers in Conferences cont.**

- B14. PLIAKAS F., MOUZALLOTIS A., **KALLIORAS A.**, DIAMANTIS I. (2007). Hydrogeological assessment of the salinization problem of Xilagani – Imeros aquifer system in SW plain area of Rhodope Prefecture, Greece. Proceedings of the 11th International Conference of the Geological Society of Greece, Athens, Greece, 24-26/5/2007, Vol. 2, pp. 536-547.
- B15. PLIAKAS F., **KALLIORAS A.**, DIAMANTIS I. and GIOUGIS I. (2007). Seawater intrusion in a coastal phreatic aquifer of Kavala Prefecture, Northern Greece. Proceedings of the 10th International Conference on the Environmental Science and Technology (CEST2007), University of the Aegean, Dept. of Environmental Studies, and Global Nest, 5-7/9/2007, Cos Island, Greece, Vol. B, pp. 626-633.
- B16. GAALLOU N., PLIAKAS F., **KALLIORAS A.**, and MARINOS P. (2008). Seawater intrusion in Mediterranean porous coastal aquifers. Cases from Tunisia and Greece. Eds G. Migiros, G. Stamatis, G. Stournaras, Proceedings of the 8th International Hydrogeological Congress of Greece and the 2nd Middle and East Mediterranean Workshop on Fissured Rocks hydrology, 8-10/10/2008, Athens, Vol I., p. 281-290.
- B17. DIAMANTIS V., GKIIOUGKIS I., **KALLIORAS A.**, PLIAKAS F., DIAMANTIS I. (2009). Use of brackish groundwaters and improvement of saline soils. Proceedings of the 11th Conference of the Greek Hydrotechnical Association (Conference subject: Integrated Water Resources management in Climate Change Conditions), Volos, Greece, Conference Proceedings Volos, 27-30/05/2009, p. 313-320, [in Greek]
- B18. GKIIOUGKIS I., MWILA G., PLIAKAS F., **KALLIORAS A.** and DIAMANTIS I. (2010). Hydrogeological assessment of groundwater degradation at the eastern Nestos River delta, N.E. Greece. 12th International Congress of the Geological Society of Greece, Patras, 19-22/5/2010, IV, pp. 1697-1706.
- B19. KALBUS E., FRIESEN J., OSWALD S., ENGELHARDT I., **KALLIORAS A.**, SCHUTH C., AL-SAUD M., RAUSCH R. (2010). Spatially Distributed Delineation of Groundwater Recharge Areas in Arid Regions. WSTA 9th GULF WATER CONFERENCE, 22-25 March 2010 Muscat, Sultanate of Oman, CD of Proceedings
- B20. PLIAKAS F., **KALLIORAS A.**, DIAMANTIS I., STERGIIOU M. (2011). Groundwater recharge using a Soil Aquifer Treatment (SAT) system in NE Greece. Advances in the Research of Aquatic Environment, Environmental Earth Sciences, Springer, Vol. 1, pp. 291-298.
- B21. **KALLIORAS A.**, PLIAKAS F., SKIAS S., GKIIOUGKIS I. (2011). Groundwater vulnerability assessment at SW Rhodope aquifer system in NE Greece. Advances in the Research of Aquatic Environment, Environmental Earth Sciences, Springer, Vol. 2, pp. 351-358.
- B22. **KALLIORAS A.**, PLIAKAS F., GKIIOUGKIS I., SCHUTH C. (2011). Groundwater vulnerability assessment of coastal aquifers. Proceedings of the 6th Dubrovnik Conference on Sustainable Development of Energy, Water and Environment Systems, CD of Proceedings.
- B23. DAMIANIDIS P., PLIAKAS F., **KALLIORAS A.** (2012). Influence of precipitation on groundwater fluctuation of a coastal aquifer, N. Greece. Proceedings of the 11th Conference of the Greek Hydrotechnical Association, Patras, Greece, 11-13/10/2012, pp. 908-919.
- B24. PLIAKAS F., **KALLIORAS A.**, MIMIDIS K., DIAMANTIS I., SCHUTH C., DELI IBRAHIM M., (2013). Groundwater recharge using a Soil Aquifer Treatment (SAT) system at the Eastern Nestos River Delta, NE Greece. Proceedings of the 13th International Conference of Environmental Science and Technology, Athens, Greece, 5-7 September 2013, ISBN 978-960-7475-51-0, paper 0172.
- B25. TSANGARATOS P., PIZPIKIS T., VASILEIOU E., PLIAKAS F., SCHUTH C., **KALLIORAS A.**, (2013). Development of multi-criteria Decision Support System (DSS) coupled with GIS for identifying optimal locations for Soil Aquifer Treatment (SAT) facilities. Bulletin of the Geological Society of Greece, vol. XLVII 2013, Proceedings of the 13th International Congress, Chania, 5-8 September 2013, Greece, paper 147.



- C1. PLIAKAS F., PETALAS C., DIAMANTIS I. and **KALLIORAS A.** (2005). "Modeling of groundwater artificial recharge by reactivating an old stream bed". *Water Resources Management*, Vol. 13, n. 9, pp. 279-294.
- C2. **KALLIORAS A.**, PLIAKAS F., PETALAS C. and DIAMANTIS I. (2004). Harmonisation of national law with the Directive 2000/60/EC for the protection and management of waters. *Journal of Environment and Law, Nomiki Vivliothiki*, vol. 4 (30), October-December, pp. 480-488, [in Greek].
- C3. PETALAS C., PLIAKAS F., DIAMANTIS I. and **KALLIORAS A.** (2005). Development of an integrated conceptual model for the rational management of the transboundary Nestos River, Greece, *Environmental Geology*, Vol. 48 n. 7. pp. 941-954.
- C4. **KALLIORAS A.** and PLIAKAS F. (2006). International assessments and activities for the management of transboundary groundwater aquifer systems. *Journal of Environment and Law, Nomiki Vivliothiki*, vol. 1, January-March, pp. 41-51, [in Greek].
- C5. **KALLIORAS A.**, PLIAKAS F., DIAMANTIS I. (2006). The legislative framework and policy for the water resources management of transboundary rivers in Europe. The case of Nestos/Mesta River, between Greece and Bulgaria, *Environmental Science and Policy*, 9, 291-301.
- C6. **KALLIORAS A.**, PLIAKAS F., DIAMANTIS I., EMMANOYIL M. (2006). Application of Geographical Information Systems (GIS) for the management of coastal aquifers subjected to seawater intrusion, *Journal of Environmental Science and Health, Part A: Toxic/Hazardous Substances and Environmental Engineering*, Vol. A41, No.9, pp. 2027 – 2044.
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