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Democritus University of Thrace (DUTH), Greece

CURRICULUM VITAE

- ACADEMIC, ADMINISTRATIVE AND EDUCATIONAL ACTIVITIES
- SCIENTIFIC AND RESEARCH WORK

Xanthi, Greece

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1. Personal information

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Director of Engineering Geology Laboratory and Groundwater Research DUTH

Director of the Geotechnical Engineering Section DUTH (2011-2014)

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2. Academic and educational activities

→ Scientific field: Hydrology of Groundwater - Hydrogeological Research and Applications of Civil Engineers.

→ Educational activities:

- Teaching undergraduate courses (Department of Civil Engineering DUTH, Greece, 2020-2021):
 - Groundwater Engineering
 - Hydrology of Groundwater
 - Geoenvironmental Engineering.
- Teaching postgraduate courses (Program of Postgraduate studies "Hydraulic Engineering and the Environment" of the Department of Civil Engineering DUTH, Greece, 2020-2021):
 - Special Topics in Development and Management of Groundwater (co-teaching with Em. Prof. I. Diamantis and Dr. N. Kazakis)
 - Techniques and Tools for Developing Methods of Water Resources Protection and Natural Disaster Prevention (co-teaching with Dr. N. Kazakis).
- Supervision of diploma theses and MSc theses (Department of Civil Engineering DUTH)

- Supervision and co-supervision of PhD dissertations (Department of Civil Engineering DUTH, School of Mining Engineering and Metallurgy, National Technical University of Athens NTUA)
 - Co-examiner of PhD dissertations (Department of Civil Engineering DUTH, School of Geology, Aristotle University of Thessaloniki AUTH)
 - Recent educational course notes (in Greek):
 - F.-K. Pliakas, (2021). Explanatory notes of lectures in Groundwater Engineering and Geoenvironmental Engineering courses, Department of Civil Engineering, DUTH, Xanthi, Greece, 158p.
 - Diamantis I., F.-K. Pliakas, A. Kallioras, (2021). Special Topics in Development and Management of Groundwater – Coastal Aquifer Systems, Program of Postgraduate studies: Hydraulic Engineering and the Environment, Department of Civil Engineering DUTH, Xanthi, Greece, 130p.
 - Diamantis I., F.-K. Pliakas, A. Kallioras, (2021). Special Topics in Development and Management of Groundwater – Managed Aquifer Recharge (MAR), Program of Postgraduate studies: Hydraulic Engineering and the Environment, Department of Civil Engineering DUTH, Xanthi, Greece, 241p.
 - Kallioras A., N. Kazakis, F.-K. Pliakas, (2021). Special Topics in Development and Management of Groundwater – Groundwater Modelling and Model Codes, Program of Postgraduate studies: Hydraulic Engineering and the Environment, Department of Civil Engineering DUTH, Xanthi, Greece, 82p.
- Director of the Geotechnical Engineering Section, Department of Civil Engineering DUTH (2011-2012, 2012-2013, 2013-2014).
- Director of the Engineering Geology Laboratory, Department of Civil Engineering DUTH (2017 - 2021).
- Chair of the Committee on Student Affairs of the Department of Civil Engineering DUTH (2011-2014).
- Participation in administrative bodies and administrative activities of the Democritus University of Thrace (DUTH) and the Department of Civil Engineering DUTH.
- Participation in election and promotion of faculty members committees and procedures in several departments of Greek universities.
- Participation in evaluation of research projects of Universities (2013) and H.F.R.I. (Hellenic Foundation for Research and Innovation) (in Greek: ΕΛΙΔΕΚ) (2017).

3. Scientific and research activities

- Scientific and research interests: groundwater development and management, groundwater engineering, groundwater control in construction, groundwater modeling, managed aquifer recharge (MAR), quality of groundwater, pollution of groundwater, saline water intrusion in coastal aquifers, groundwater and soil salinization and desertification, water reuse, climate change and groundwater resources, transboundary rivers and aquifers, exploration and development of geothermal energy.
- Participation: (i) in organizing committees of Greek conferences, (ii) in scientific committees of Greek conferences, (iii) in scientific committees of international conferences, (iv) in organizing committees of scientific meetings in the framework of international projects.
- Participation in 41 research projects (36 Greek and 5 international projects, either as scientific coordinator or main researcher).
- Reviewer for 37 international scientific journals.

4. Scientific papers

→ Doctoral dissertation

Pliakas F., (1998). Research on appropriate methods of artificial recharge of alluvial aquifers in heterogeneous formations. Applications in aquifers at Xanthi plain region. PhD Thesis, Department of Civil Engineering, School of Engineering Democritus University of Thrace, Xanthi, Greece, 314 p. (in Greek).

→ Papers in scientific journals

1. Marinos P., N. Klimis, **F. Pliakas**, (1986). Laboratory determination of shear strength in discontinuities of metamorphic rocks. Observations from a series of tests and measurements. Mineral Wealth Journal No. 45, pp. 69-80 (in Greek).
2. **Pliakas F.**, I Diamantis, (1998). Artificial recharge of groundwater in Greece and other countries. Technika Chronika Journal, Technical Chamber of Greece (T.C.G.), I, Vol. 18, no 1, pp. 65-74 (in Greek).
3. Petalas C., **F. Pliakas**, I. Diamantis, (2002). Seawater intrusion problem in coastal aquifers of East Macedonia and Thrace and methods of prevention. Technika Chronika Journal, Technical Chamber of Greece (T.C.G.), I, Vol. 22, no 1-2, pp. 31-43 (in Greek).

4. Petalas C., **F. Pliakas**, I. Diamantis, (2002). Seawater intrusion in coastal aquifers and methods of prevention in Greece and other countries. *Hydrotechnika, Journal of Hellenic Hydrotechnical Association*, Vol. 12, December 2002, pp. 65-81 (in Greek).
5. Kallioras A., **F. Pliakas**, C. Patalas, I. Diamantis, (2004). The harmonisation of national law with the Directive 2000/60/EC for the protection and management of waters. *Journal of Environment and Law, Nomiki Bibliothiki*, vol. 4 (30), October-December, pp. 480-488 (in Greek).
6. **Pliakas F.**, C. Petalas, I. Diamantis, A. Kallioras, (2005). Modeling of groundwater artificial recharge by reactivating an on old stream bed. *Water Resources Management, Springer*, Vol. 19, Issue 3, pp. 279-294.
7. Petalas C., **F. Pliakas**, I. Diamantis, A. Kallioras, (2005). Development of an integrated conceptual model for the rational management of the transboundary Nestos River, Greece. *Environmental Geology* (since 2009 is published as *Environmental Earth Sciences*), Springer, Vol. 48, No 7, pp. 941-954.
8. Kallioras A., **F. Pliakas**, I. Diamantis, (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, Elsevier*, Vol. 9, Issue 3, pp. 291-301.
9. Kallioras A., **F. Pliakas**, (2006). International assessments and activities for the management of transboundary groundwater aquifer systems. *Journal of Environment and Law, Nomiki Bibliothiki*, vol. 1, January-March, pp. 41-51 (in Greek).
10. Kallioras A., **F. Pliakas**, I. Diamantis, (2006). Conceptual model of a coastal aquifer system in northern Greece and assessment of saline vulnerability due to seawater intrusion conditions. *Environmental Geology* (since 2009 is published as *Environmental Earth Sciences*), Springer, Vol. 51, No 3, pp. 349-361.
11. Kallioras A., **F. Pliakas**, I. Diamantis, M. Emmanouil, (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*, Taylor & Francis, Vol. A41, No 9, September 2006, pp. 2027-2044.
12. Kallioras A., **F. Pliakas**, I. Diamantis, (2010). Simulation of groundwater flow in a sedimentary aquifer system, subjected to overexploitation. *Water, Air, & Soil Pollution, Springer*, Vol. 211, Issue 1-4, pp. 177-201.
13. Kallioras A., **F. Pliakas**, I. Diamantis, G. Kallergis, (2010). SWOT analysis in groundwater resources management of coastal aquifers: a case study from Greece. *Water International, official journal of the International Water Resources Association (IWRA)*, Routledge, Taylor & Francis Group, Vol. 35, No 4, pp. 425-441.

14. **Pliakas F.**, C. Petalas, (2011). Determination of hydraulic conductivity of unconsolidated river alluvium from permeameter tests, empirical formulas and statistical parameters effect analysis. *Water Resources Management*, Springer, Vol. 25, No 11, pp. 2877-2899.
15. Gaaloul N., **F. Pliakas**, A. Kallioras, P. Marinos, (2012). Simulation of seawater intrusion in coastal aquifers: Forty five years exploitation in an Eastern Coast Aquifer in NE Tunisia. *The Open Hydrology Journal*, Bentham Open Publisher, Vol. 6, pp. 31-44.
16. Skias S., **F. Pliakas**, A. Kallioras, (2013). Application of SWOT analysis for the management of transboundary River Evros (Bulgaria, Greece, Turkey). *International Journal of Water (IJW)*, InderScience Publishers, Vol. 7, No 1/2, pp. 104-121.
17. Kosmas C., Or. Kairis, Ch. Karavitis, C. Ritsema, L. Salvati, S. Acikalin, M. Alcalá, P. Alfama, J. Atlhopheng, J. Barrera, A. Belgacem, A. Solé-Benet, J. Brito, M. Chaker, R. Chanda, C. Coelho, M. Darkoh, I. Diamantis, O. Ermolaeva, V. Fassouli, W. Fei, J. Feng, F. Fernandez, A. Ferreira, C. Gokceoglu, D. Gonzalez, H. Gungor, R. Hessel, J. Juying, H. Khatteli, N. Khitrov, A. Kounalaki, A. Laouina, P. Lollino, M. Lopes, L. Magole, L. Medina, M. Mendoza, P. Morais, K. Mulale, F. Ocakoglu, M. Ouessar, C. Ovalle, C. Perez, J. Perkins, **F. Pliakas**, M. Polemio, A. Pozo, C. Prat, Y. Qinke, A. Ramos, J. Ramos, J. Riquelme, V. Romanenkov, L. Rui, F. Santaloia, R. Sebeggo, M. Sghaier, N. Silva, M. Sizemskaya, J. Soares, H. Sonmez, H. Taamallah, L. Tezcan, D. Torri, F. Ungaro, S. Valente, J. de Vente, E. Zagal, A. Zeiliguer, W. Zhonging, A. Ziogas, (2014). Evaluation and Selection of Indicators for Land Degradation and Desertification Monitoring: Methodological Approach. *Environmental Management*. Springer, Vol. 54, pp. 951-970.
18. Kairis Or., C. Kosmas, Ch. Karavitis, C. Ritsema, L. Salvati, S. Acikalin, M. Alcalá, P. Alfama, J. Atlhopheng, J. Barrera, A. Belgacem, A. Solé-Benet, J. Brito, M. Chaker, R. Chanda, C. Coelho, M. Darkoh, I. Diamantis, O. Ermolaeva, V. Fassouli, W. Fei, J. Feng, F. Fernandez, A. Ferreira, C. Gokceoglu, D. Gonzalez, H. Gungor, R. Hessel, J. Juying, H. Khatteli, N. Khitrov, A. Kounalaki, A. Laouina, P. Lollino, M. Lopes, L. Magole, L. Medina, M. Mendoza, P. Morais, K. Mulale, F. Ocakoglu, M. Ouessar, C. Ovalle, C. Perez, J. Perkins, **F. Pliakas**, M. Polemio, A. Pozo, C. Prat, Y. Qinke, A. Ramos, J. Ramos, J. Riquelme, V. Romanenkov, L. Rui, F. Santaloia, R. Sebeggo, M. Sghaier, N. Silva, M. Sizemskaya, J. Soares, H. Sonmez, H. Taamallah, L. Tezcan, D. Torri, F. Ungaro, S. Valente, J. de Vente, E. Zagal, A. Zeiliguer, W. Zhonging, A. Ziogas, (2014). Evaluation and Selection of Indicators for Land Degradation and Desertification Monitoring: Types of Degradation, Causes, and Implications for Management. *Environmental Management*. Springer, Vol. 54, pp. 971-982.

19. Diamantis V., L. Pagorogon, E. Gazani, S.H. Doerr, **F. Pliakas**, C. Ritsema, (2013). Use of olive mill wastewater (OMW) to decrease hydrophobicity in sandy soil. *Ecological Engineering*, Elsevier, Vol. 58, pp. 393-398.
20. Pedreira R., A. Kallioras, **F. Pliakas**, I. Gkiougkis I., C. Schuth, (2014). Groundwater vulnerability assessment of a coastal aquifer system at River Nestos eastern Delta, NE Greece, *Environmental Earth Sciences*, Springer, Vol. 73, pp. 6387–6415
21. Recinos N., A. Kallioras, **F. Pliakas**, C. Schuth, (2015). Application of GALDIT index to assess the intrinsic vulnerability to seawater intrusion of coastal granular aquifers. *Environmental Earth Sciences*, Springer, Vol. 73, pp. 1017–1032.
22. Gkiougkis I., A. Kallioras, **F. Pliakas**, A. Pechteliadis, V. Diamantis, I. Diamantis, A. Ziogas, I. Dafnis, (2015). Assessment of soil salinization at the eastern Nestos River Delta, N.E. Greece. *Catena*, Elsevier, Vol. 128, pp. 238-251.
23. **Pliakas F.**, A. Kallioras, P. Damianidis, P. Kostakakis, (2015). Evaluation of precipitation effects on groundwater levels in a Mediterranean alluvial plain based on hydrogeological conceptualization. *Environmental Earth Sciences*, Springer, Vol. 74, pp. 3573-3588.
24. Kazakis N., A. Pavlou, G. Vargemezis, K.S. Voudouris, G. Soulios, **F. Pliakas**, G. Tsokas, (2016). Seawater intrusion mapping using electrical resistivity tomography and hydrochemical data. An application in the coastal area of eastern Thermaikos Gulf, Greece. *Science of the Total Environment*, Elsevier, Vol. 543, pp. 373-387.
25. Diamantis V., L. Pagorogon, E. Gazani, I. Gkiougkis, A. Pechteliadis, **F. Pliakas**, E. van den Elsen, S. Doerr, C. Ritsema, (2017). Use of Clay Dispersed in Water for Decreasing Soil Water Repellency. *Land Degradation & Development*, John Wiley & Sons, Ltd., Vol. 28, pp. 328-334.
26. Tsangaratos P., A. Kallioras, Th. Pizpikis, E. Vasileiou, I. Ilia, **F. Pliakas**, (2017). Multi-criteria Decision Support System (DSS) for optimal locations of Soil Aquifer Treatment (SAT) facilities. *Science of the Total Environment*, 603-604, pp. 472-486.
27. Eminoglou G., I. Gkiougkis, A. Kallioras, **F.-K. Pliakas**, (2017). Updated groundwater vulnerability evaluation at a coastal aquifer system in NE Greece. *European Water*, E.W. Publications, V. 57, pp. 423-428.
28. Avgeris L., D. Karasogiannidis, I. Gkiougkis, **F. Pliakas**, T. Tzevelekis, K. Bellos, I. Diamantis, (2017). Research on conjunctive use of surface water and groundwater for managed aquifer recharge (MAR) at the River Nestos Delta, Greece. *European Water*, E.W. Publications, V. 60, pp. 155-160.
29. Mimidis K., P. Andrikakou, A. Kallioras, **F. Pliakas**, (2017). The DPSIR approach to groundwater management for sustainable development in coastal areas: The

- case of Nea Peramos aquifer system, Kavala, Greece. *Water Utility Journal*, EWRA, V. 16, pp. 67-80.
30. Kazakis N., M. Spiliotis, K. Voudouris, **F.-K. Pliakas**, B. Papadopoulos, (2018). A fuzzy multicriteria categorization of the GALDIT method to assess seawater intrusion vulnerability of coastal aquifers. *Science of the Total Environment*, 621, pp. 524-534.
31. Avgeris L., D. Karasogiannidis, I. Gkiougkis, **F. Pliakas**, T. Tzevelekis, K. Bellos, I. Diamantis, (2018). Design of watercourse interventions in conjunction with managed aquifer recharge (MAR). *Water Utility Journal*, EWRA, V. 19, pp. 35-48.
32. Mavriou Z., N. Kazakis, **F.-K. Pliakas**, (2019). Assessment of groundwater vulnerability in the north aquifer area of Rhodes Island using the GALDIT method and GIS. *Environments Journal*, MDPI, V. 6, Issue 5, 56, pp. 1-11. DOI: 10.3390/environments6050056.
33. Gkiougkis I., C. Pouliaris, **F.-K. Pliakas**, I. Diamantis, A. Kallioras, (2021). Conceptual and Mathematical Modeling of a Coastal Aquifer in Eastern Delta of R. Nestos (N. Greece). *Hydrology Journal*, MDPI, 8, no 1: 23, <https://doi.org/10.3390/hydrology8010023>.
34. Papadopoulos C., M. Spiliotis, I. Gkiougkis, **F. Pliakas**, B. Papadopoulos, (2021). Relating Hydro-Meteorological Variables to Water Table in an Unconfined Aquifer via Fuzzy Linear Regression. *Environments Journal*, MDPI, 8, no. 2: 9, <https://doi.org/10.3390/environments8020009>.

→ Papers in proceedings of international conferences

35. Diamantis I., **F. Pliakas**, (1996). Impact of groundwater overexploitation. Confrontation - Artificial recharge. Proceedings of the Technical Chamber of Greece (T.C.G.) Conference: "Water Resources Management", 13-16/11/1996, Larissa, Greece, pp.198-207 (in Greek).
36. Diamantis I., **F. Pliakas**, C. Petalas, (1997). The contribution of artificial recharge as a remedy procedure regarding the impacts of various interventions on the natural environment of plain regions. The case study in Thrace, Greece. Proceedings of the International Symposium on Engineering Geology and the Environment, organized by the Greek National Group of the International Association for Engineering Geology and the Environment (IAEG). 23-27/6/1997, Athens, Greece, pp. 2663-2667.
37. Diamantis I., C. Petalas, **F. Pliakas**, (1997). Adverse environmental effects in a downstream area related to the construction of a small size river dam. The case of Vistonis area - Thrace-Greece. Proceedings of the International Symposium on Engineering Geology and the Environment, organized by the Greek National

- Group of the International Association for Engineering Geology and the Environment (IAEG). 23-27/6/1997, Athens, Greece, pp. 2657-2662.
38. **Pliakas F.**, I. Diamantis, C. Petalas, (1999). Environmental effects of a proposed groundwater artificial recharge project in Orfanon region of Kavala. Proceedings of the 6th International Conference on Environmental Science and Technology, University of the Aegean, Dept. of Environmental Studies, and Global Nest, Pythagorion, Samos, Greece, 30/8 – 2/9/1999, Vol. C, pp. 381-390 (in Greek).
 39. **Pliakas F.**, I. Diamantis, C. Petalas, (2001). Saline water intrusion and groundwater artificial recharge in east delta of Nestos River. Proceedings of the 7th International Conference on Environmental Science and Technology, University of the Aegean, Dept. of Environmental Studies, and Global Nest, Ermoupolis, Syros, Greece, 3-6/9/2001, Vol. 2, pp. 719-726.
 40. **Pliakas F.**, I. Diamantis, C. Petalas, S. Panilas, (2001). Feasibility study of artificial recharge application in aquifers of Rhodope plain areas in Thrace, Greece. A first approach. Proceedings of the 9th International Congress of the Geological Society of Greece, Athens, Greece, 26-28/9/2001, Vol. 5, pp. 1923-1932 (in Greek).
 41. Petalas C., S. Panilas, I. Diamantis, **F. Pliakas**, (2001). Calculation and evaluation of the hydraulic parameters of two aquifer systems in different sedimentary environments in Rhodope Mass. Proceedings of the 9th International Congress of the Geological Society of Greece, Athens, Greece, 26-28/9/2001, Vol. 5, pp. 1913-1922 (in Greek).
 42. **Pliakas F.**, C. Petalas, I. Diamantis, A. Kallioras, (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, Greece, 4-8/9/2002, pp. 243-251.
 43. **Pliakas F.**, I. Diamantis, A. Kallioras, C. Petalas, (2003). Environmental effects of a proposed groundwater artificial recharge project in Vafeika plain area of Xanthi region in Thrace, Greece. Proceedings of the 2nd International Conference on Ecological Protection of the Planet Earth. Bio – Environment and Bio – Culture. Sofia, Bulgaria, 5-8/6/2003, pp. 364-371.
 44. **Pliakas F.**, I. Diamantis, A. Kallioras, C. Petalas, (2004). Study of the progress of seawater intrusion within a plain area of Rhodope Prefecture, Greece. Proceedings 10th International Congress of the Geological Society of Greece, Thessaloniki, Greece, 15-17/4/2004, pp. 2057-2066 (in Greek).
 45. Petalas C., **F. Pliakas**, I. Diamantis, A. Kallioras, (2004). Study of the distribution of precipitation in District of Eastern Macedonia and Thrace for the Period 1964–1998. Proceedings of the 10th International Congress of the Geological Society of Greece, Thessaloniki, Greece, 15-17/4/2004, Bulletin of the Geological Society of Greece 36 (2), pp. 1054-1063 (in Greek).

46. Kallioras A., **F. Pliakas**, I. Giougis, I. Diamantis, (2005). International law and policy in transboundary groundwater resources management, 3rd International Conference on Ecological Protection of the Planet Earth. Bio – Environment and Bio – Culture. Istanbul, Turkey, 10-11/6/2005 (Conference Proceedings in press).
47. Kallioras A., **F. Pliakas**, and I. Diamantis, G. Kallergis, (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, 18-22/9/2006 (CD of Proceedings: manuscript E-218).
48. **Pliakas F.**, A. Mouzaliotis, A. Kallioras, I. Diamantis, (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.
49. **Pliakas F.**, A. Kallioras, I. Diamantis, I. Giougis, (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.
50. Gaaloul N., P. Marinos, **F. Pliakas**, (2007). Apport des modèles à la gestion intégrée des ressources en eaux souterraines, l' exemple du modèle du Cap Bon. International Conference: Water Resources Management and Sustainable Agriculture, "Exploitation des ressources en eau pour une agriculture durable", Hammamet, Tunisia, 21-22/11/2007 (in CD of Proceedings: manuscript 14CO and in Les Annales de l' INRGREF (Institut National de Recherches en Génie Rural, Eaux et Forêts) Numéro Spécial 11, pp.139-150 – 2008).
51. Gaaloul N., **F. Pliakas**, A. Kallioras, P. Marinos, (2008). Seawater intrusion in Mediterranean porous coastal aquifers. Cases from Tunisia and Greece. Proceedings of the 8th International Hydrogeological Congress of Greece and the 3rd Middle and East Mediterranean Workshop on Fissured Rocks Hydrology, 8-10/10/2008, Athens, pp. 281-290.
52. Skias S., A. Kallioras, **F. Pliakas**, (2008). Basic problems and prerequisites regarding the transboundary IWRM in SE Europe. The River Evros case. IV International Symposium on Transboundary Waters Management. Thessaloniki, Greece, 15-18 October 2008, <http://www.inweb.gr/twm4/Abstracts.php>, <http://www.inweb.gr/twm4/abs/SKIAS%20Stelios.pdf>, (extended abstract in CD of Proceedings, full length paper submitted to be included in a special book).
53. Gkiougkis I., G. Mwila, **F. Pliakas**, A. Kallioras, I. Diamantis, (2010). Hydrogeological assessment of groundwater degradation at the eastern Nestos River Delta, N.E. Greece. Proceedings of the 12th International Conference of

- the Geological Society of Greece, Patras, Greece, 19-22/5/2010, Vol. 4, pp. 1697-1706.
54. **Pliakas F.**, A. Kallioras, I. Diamantis, M. Stergiou, (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, ISBN: 978-3-642-19901-1, pp. 291-298.
 55. Gkiougkis I., T. Tzevelekis, **F. Pliakas**, I. Diamantis, A. Pechtelidis, (2011). Geophysical research of groundwater degradation at the eastern Nestos River Delta, NE Greece. *Advances in the Research of Aquatic Environment, Environmental Earth Sciences*, Springer, Vol. 1, ISBN: 978-3-642-19901-1, pp. 259-266.
 56. Kallioras A., **F. Pliakas**, S. Skias, I. Gkiougkis, (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, ISBN: 978-3-642-24075-1, pp. 351-358.
 57. **Pliakas F.**, A. Kallioras, K. Mimidis, I. Diamantis, C. Schuth, M. Deli Ibrahim, (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.
 58. Tsangaratos P., T. Pizpikis, E. Vasileiou, **F. Pliakas**, C. Schuth, A. Kallioras, (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, Greece, 5-8 September 2013, Greece, paper 147.
 59. **Pliakas F.**, I. Gkiougkis, K. Mimidis, T. Tzevelekis, I. Diamantis, (2014). Hydrogeological approach in investigating a karst system, south-east of Nestos River, NE Greece. *Proceedings of the 10th International Hydrogeological Congress of Greece*, 8-10/10/2014, Thessaloniki, Greece, pp. 653-661.
 60. Mimidis K., **F. Pliakas**, I. Diamantis, (2014). Updated hydrogeological research at a coastal aquifer system of Kavala Prefecture, Northern Greece. *Proceedings of the 10th International Hydrogeological Congress of Greece*, 8-10/10/2014, Thessaloniki, Greece, pp. 495-504.
 61. Diamantis V., K. Mimides, A. Eftaxias, **F. Pliakas** and A. Aivasidis, (2015). Use of geothermal energy sources for organic waste management. *Proceedings of the 14th International Conference on Environmental Science and Technology* Rhodes, Greece, 3-5 September 2015, 00316 paper.
 62. Kallioras A., **F. Pliakas**, P. Marinos, (2016). Groundwater resources assessment of granular aquifers in Greece. *Bulletin of the Geological Society of Greece*, Vol.

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5. Journal / Publication Editing

- ✓ Editor (Co-editor Prof. I. Diamantis) of the Proceedings of the Hellenic Committee of Hydrogeology Workshop: “Artificial Recharge of Aquifers”, Xanthi, Greece, 28/5/1999 (in Greek).
- ✓ Editor (Co-editor Prof. I. Diamantis) of the Conference Proceedings of the 6th Hydrogeological Conference of the Greek Hydrogeological Committee of the Geological Society of Greece (IAH, International Association of Hydrogeologists), Xanthi, Greece, 8-10/11/2002 (in Greek).
- ✓ Guest Editor (Co-Guest Editors Prof. Dr. C. Schuth and Lecturer A. Kallioras) in The Open Hydrology Journal, Bentham Open Publisher, ISSN: 1874-3781, Special Issue in: Groundwater Resources Management in Coastal Regions, Vol. 6, 2012, [DOI: 10.2174/1874378101206010023].

6. Citations

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