

Pantelis Soupios, Ph.D.,

Dept. of Environmental and Natural Resources Engineering, Technological Educational Institute of Crete,
Greece

EDUCATION

- *PhD in Applied Geophysics (Non-Linear Inversion of Seismic Data), 1997-2000*
Laboratory of Geophysics, Aristotle University of Thessaloniki, GREECE and Department of Earth Sciences, Uppsala University, SWEDEN.
- *MSc in Applied Geophysics (9.27/10), (Cross-well seismic tomography), 1995-1997*
School of Geophysics, Aristotle University of Thessaloniki, GREECE.
- *BS in Geology with highest honors (7.54/10), 1990-1995*
School of Geology, Aristotle University of Thessaloniki, GREECE.

APPOINTMENTS

Department of Environmental and Natural Resources Engineering at Technological Educational Institute (TEI) of Crete in Greece:

- Professor, 28 Aug. 2014 - present
- Chair, 01 Jan. 2013 - 31 Aug. 2014
- vice-Chair, 01 Sept. 2014 - present
- Associate Professor, 25 Jan. 2009 - 27 Aug. 2014
- Assistant Professor, 17 Nov. 2002 - 25 Jan. 2009

Prior to TEI of Crete:

- Research Assistant, 1997-2002, School of Geology, Aristotle University of Thessaloniki, Greece
- Freelance Geologist/Geophysicist, March 1996 - Sept. 2002, contracted in geotechnical companies facing and solving geological, geotechnical, hydrogeological and environmental problems.

HONORS & AWARDS

- The paper Georgaki et al., 2007 was in the top 10 articles published on the same topic (BioMedLib, 3 March 2011).
- The paper Soupios et al. 2011 was between the most downloaded articles from Journal of Applied Geophysics.
- The paper Savvaidis et al., 2013 received the best paper award in the First International Conference on Remote Sensing and Geoinformation of Environment, 8-10 April 2013, Paphos, Cyprus.
- The paper Alexakis et al., 2014 received the best poster award in the Second International Conference on Remote Sensing and Geoinformation of Environment, April 7-10 April 2014.

PUBLICATION LIST

Author search in **SCOPUS**, *64 cited documents were found with 448 citations* and h index=11.

<http://www.scopus.com/authid/detail.url?authorId=15835749500>

Based on **Google Scholar Citations**, *911 citations were found, h-index=14*, i10-index=21.

<http://scholar.google.co.uk/citations?user=yHNNmIcAAAAJ&hl=en>

PEER-REVIEWED ARTICLES (\$ served as project principal investigator; *student mentee; # postdoctoral scientist

mentee)

1. Victor Kavvadias, Kiriakos Elaiopoulos, Sideris Theocharopoulos and Pantelis Soupios, 2016, *Fate of Potential Contaminants Due to Disposal of Olive Mill Wastewaters in Unprotected Evaporation Ponds*, **Bull Environ Contam Toxicol.**, DOI 10.1007/s00128-016-1922-4.
2. Ntarlagiannis, Dimitrios, Robinson, Judith, Soupios, Pantelis, Slater, Lee, 2016, *Field-scale electrical geophysics over an olive oil mill waste deposition site: Evaluating the information content of resistivity versus induced polarization (IP) images for delineating the spatial extent of organic contamination*, **Journal of Applied Geophysics**, doi: 10.1016/j.jappgeo.2016.01.017
3. Kourgialas, N.N.#, Dokou Z. #, Karatzas G.P., Panagopoulos G., Soupios, P., Vafidis, A., Manoutsoglou E., Schafmeister M., 2016, *Saltwater intrusion in an irrigated agricultural area: combining density-dependent modeling and geophysical methods*, **Environmental Earth Science**, 75(1), 1-13.
4. Dimitrios D. Alexakis, Apostolos Sarris, Chariton Kalaitzidis, Nikos Papadopoulos & Pantelis Soupios, 2016, *Integrated use of satellite remote sensing, GIS, and ground spectroscopy techniques for monitoring olive oil mill waste disposal areas on the island of Crete, Greece*, **International Journal of Remote Sensing**, 37:3, 669-693, DOI:10.1080/01431161.2015.1136444
5. K. Simyrdanis*, P. Tsourlos, P. Soupios, G. Tsokas, J-H Kim, N. Papadopoulos, 2015, *Surface-to-tunnel ERT Measurements, Near Surface Geophysics*, vol. 13, doi: 10.3997/1873-0604.2015019.
6. Power, C.*, Gerhard, J.I., Tsourlos, P., Soupios, P., Simyrdanis, K., Karaoulis, M., 2015, *Improved time-lapse electrical resistivity tomography monitoring of dense non-aqueous phase liquids with surface-to-horizontal borehole arrays*, **Journal of Applied Geophysics**, Volume 112, January 01, 2015, Pages 1-13.
7. A. Vafidis, P. Soupios, N. Economou, H. Hamdan, N. Andronikidis, G. Kritikakis, G. Panagopoulos, E. Manoutsoglou, M. Steiakakis, E. Candansayar and M. Schafmeister, 2014, *Seawater intrusion imaging at Tybaki, Crete, using geophysical data and joint inversion of electrical and seismic data*, **First Break**, Vol. 32, August 2014, pp. 107-114.
8. Savvaidis A., Margaris B., Theodoulidis N., Lekidis V., Karakostas Ch., Loupasakis C., Rozos D., Soupios P., Mangriotis M-D.#, Dikmen U., Tsangaratos P., Kokinou E., Vafidis A., Rondoyanni Th., Kalogeras I., Koutrakis S., Sarris A., Papadopoulos N., 2014, *Geo-Characterization at selected accelerometric stations in Crete (Greece) and comparison of earthquake data recordings with EC8 elastic spectra*, **C. Europ. J. of Geosciences**, 6 (1), pp. 88-103.
9. M. Kouli, C. Loupasakis, P. Soupios, D. Rozos and F. Vallianatos, 2014, *Landslide Susceptibility Mapping by comparing the WLC and WofE Multi-Criteria Methods in the West Crete Island, Greece*, **Environmental Earth Sciences**, DOI 10.1007/s12665-014-3389-0.
10. Yuri Gorokhovich, Nikos Papadopoulos, Pantelis Soupios, Pavel Barsukov, 2014, *Integrating GIS terrain modeling with geophysical surveys for archaeological investigation in Aptera*, Crete, Special Issue "Advanced GIS terrain analysis for geophysical applications", **El Boletín Geológico y Minero**, Spain, 125(3), pp. 273-284.
11. M Kouli, C Loupasakis, P Soupios, D Rozos, F Vallianatos, 2013, *Comparing multi-criteria methods for landslide susceptibility mapping in Chania Prefecture, Crete Island, Greece*, **Natural Hazards and Earth System Sciences Discussions** Volume (1), pp. 73-109.
12. M Moisidi*, F Vallianatos, P Soupios, S Kershaw, D Rust, S Piscitelli, 2013, *Modeling tectonic features of the Kissamos and Paleohora areas, Western Crete (Greece): combining geological and geophysical surveys*, **J. Geophys. Eng.** 10 025015 doi:10.1088/1742-2132/10/2/025015.
13. Kanta A.*, Soupios P., Barsukov P., Kouli M.# and Vallianatos F., 2013, *Aquifer characterization using shallow geophysics in the Keritis Basin of Western Crete, Greece*, **Environmental Earth Sciences** (Springer), DOI: 10.1007/s12665-013-2503-z
14. Parisi S., Pascale S., Sdao F., Soupios P., 2013, *Assessment and mapping of the intrinsic vulnerability to pollution: An example from Keritis river basin (Northwestern Crete, Greece)*, **Environmental Earth Science**, DOI 10.1007/s12665-013-2321-3.
15. E. Seferou*, P. Soupios, N. Kourgialas, Zoi Dokou, E. Candansayar, N. Papadopoulos, G. Karatzas, A. Sarris, M. Sauter, 2013, *Olive oil mill wastewater transport under unsaturated and saturated laboratory conditions using geoelectrical resistivity tomography method and the FEFLOW model*, **Hydrogeology Journal**, DOI: 10.1007/s10040-013-0996-x.
16. M. Shahrakh*, P. Soupios, N. Papadopoulos, A. Sarris, 2012, *Geophysical investigations at the Istron archaeological site, eastern Crete, Greece using 3D Refraction Seismic and Geoelectrical Tomography*, **J. Geophys. Eng.** 9 (2012) 749–760, doi:10.1088/1742-2132/9/6/749.

17. M Moisidi* F Vallianatos P Soupios and S Kershaw, 2012, *Spatial spectral variations of microtremors and electrical resistivity tomography surveys for fault determination of southwestern Crete (Greece)*, **Journal of Geophysics and Engineering**, 9(3).
18. Nikos G. Papadopoulos, Apostolos Sarris, Maria Christina Salvi, Sylvianne Dederix, Pantelis Soupios, Unal Dikmen, 2012, *Rediscovering the Small Theatre and Amphitheatre of Ancient Ierapytna (SE Crete) by Integrated Geophysical Methods*, **Journal of Archaeological Science**, doi:10.1016/j.jas.2012.01.044
19. Sdao F., Parisi S., Kalisperi D., Pascale S, Soupios P., Lidakis N. and Kouli M., 2012, *Geochemistry and quality of the groundwater from the karstic and coastal aquifer of Geropotamos River Basin (north-central Crete, Greece)*, **Environmental Earth Sciences**, DOI 10.1007/s12665-012-1558-6.
20. Soupios P, Akca I, Mpogiatis P, Basokur A, Papazachos C, 2011, *Applications of Hybrid Genetic Algorithms in Seismic Tomography*, **Journal of Applied Geophysics**, Volume 75, Issue 3, November 2011, Pages 479-489 <http://dx.doi.org/10.1016/j.jappgeo.2011.08.005>.
21. M. Bavusi, F. Soldovieri, S. Piscitelli, A. Loperte, F. Vallianatos and P. Soupios, 2010, *Ground-penetrating radar and microwave tomography to evaluate the crack and joint geometry in historical buildings: Some examples from Chania, crete, Greece*, **Near Surface Geophysics**, Volume 8, Issue 5, October 2010, Pages 377-387.
22. Karapidakis, E. S.; Tsave, A. A.; Soupios, P. M.; Katsigiannis, Y. A., 2010, *Energy efficiency and environmental impact of biogas utilization in landfills*. **Int. J. Environ. Sci. Tech.**, 7 (3), pp. 599-608.
23. Sarris, A., Loupasakis, K., Soupios, P., Trigkas, V. and Vallianatos F., 2009, *Earthquake vulnerability and seismic risk assessment of urban areas in high seismic regions: Application to Chania City, Crete Island, Greece*, **Natural Hazards**, DOI: 10.1007/s11069-009-9475-z.
24. Soupios P., Kalisperi D.*, Kanta A. *, Kouli M.#, Barsukov P. and Vallianatos F., 2009, *Coastal aquifer assessment based on geological and geophysical survey, North Western Crete, Greece*, **Environmental Earth Sciences**, doi 10.1007/s12665-009-0320-1.
25. Kouli M., Loupasakis C., Soupios P. and Vallianatos F., 2009, *Landslide Hazard Zonation in High Risk Areas of Rethimno Prefecture, Crete Island, Greece*, **Natural Hazards**, doi: DOI 10.1007/s11069-009-9403-2.
26. Mavromatidis A. and Soupios P, 2008, *Review of Exhumation and Implications for Hydrocarbon Exploration in Australia*, **The Open Petroleum Engineering Journal**, vol. 1, pp. 1-9, doi: 10.2174/1874834100801010001.
27. Kouli M.#, Soupios P. and Vallianatos F., 2008, *Soil erosion prediction using the revised universal soil loss equation (RUSLE) in a GIS framework, Chania, Northwestern Crete, Greece*, **Environ. Geol.**, doi 10.1007/s00254-008-1318-9.
28. Soupios P., Loupasakis C. and Vallianatos F., 2008, *Reconstructing former urban environments by combining geophysical electrical methods and geotechnical engineering – an example from Chania, Greece*, **J. Geophys. Eng.**, pp. 186-194, doi 10.1088/1742-2132/5/2/005.
29. Georgaki, I. *, Soupios, P. S, Sakkas, N., Ververidis, P., Trandas E., Vallianatos, F. and Manios, T., 2007, *Evaluating the Use of Electrical Resistivity Imaging Technique for Improving CH4 and CO2 Emission Rate Estimations in Landfills*, **Science of the Total Environment**, Vol. 389, 522-531.
30. Kouli M, Vallianatos F, Soupios P, Alexakis D, 2007, *GIS - based morphometric analysis of Keritis and Tavronitis drainage networks, Western Crete, Greece*, **Journal of Environmental Hydrology**, Vol. 15, 2007, pp. 1-17.
31. Soupios P S, Papadopoulos N, Papadopoulos I, Kouli M#, Vallianatos F, Sarris A, Manios Thr, 2007, *Application of Integrated Methods in Mapping Waste Disposal Areas*, **Environ Geol.**, Vol. 53(3), pp.661-675, DOI 10.1007/s00254-007-0681-2.
32. Soupios P S, Kouli M#, Vallianatos F, Vafidis A, Stavroulakis G, 2007, *Estimation of Aquifer Parameters from Surficial Geophysical Methods: A Case Study of Keritis Basin in Crete*, **Journal of Hydrology**, May 2007, 338, 122-131, doi: 10.1016/j.jhydrol.2007.02.028.
33. Soupios P, Georgakopoulos P*, Papadopoulos N, Vallianatos F, Sarris A, Makris J.P., 2007, *Use of Engineering Geophysics to Investigate a Site for a Building Foundation*, **J. Geophys. Eng.** 4 (2007) 94–103 doi:10.1088/1742-2132/4/1/011.
34. Soupios P S, Papadopoulos I, Kouli M#, Georgaki I#, Vallianatos F, Kokkinou E, 2007, *Investigation of Waste Disposal Areas Using Electric Methods: A Case Study from Hania – Crete, Greece*, **Environmental Geology** (2007), Vol. 51(7), DOI 10.1007/s00254-006-0418-7.

35. Saltas V., Vallianatos F, Soupios P, Makris J.P., Triantis D, 2007, Dielectric and conductivity measurements as proxy method to monitor contamination in sandstone, **Journal of Hazardous Materials**, Volume 142, Issues 1-2, 2 April 2007, Pages 520-525, doi:10.1016/j.jhazmat.2006.08.051.
36. Kouli M., Vallianatos F., Soupios, P. and Alexakis D., 2006, A GIS example of Morphometric analysis in tectonic structures of Western Crete, Greece, **WSEAS Transactions on ENVIRONMENT and DEVELOPMENT**, Issue 9, Vol. 2, September 2006, ISSN 1790-5079, pp. 1163-1168.
37. Sarris A, Vallianatos F, Soupios P, Papadopoulos I, Savvaidis A, 2006, Application of Geophysical Methods in Urban Areas to Determine the Site Response in Environmental Risks, **WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT**, Issue 4, Volume 2, April 2006, ISSN 1790-5079, <http://www.wseas.org>.
38. Stampolidis, A, Tsourlos, P., Soupios, P., Mimides, Th, Tsokas, G., Vargemezis, G., Vafidis, A., 2005, Integrated geophysical investigation around the brackish spring of Rina, Kalimnos Isl., SW Greece, **Journal of Balkan Geophysical Society**, September 2005.
39. Soupios, P.M., Tamas Toth, 2005, A Shallow Marine Seismic Reflection Survey in Lake Balaton, **Journal of Balkan Geophysical Society**, Vol. 8, No. 1, February, 2005, pp. 20-27.
40. Soupios P, Papazachos C, Tsokas G, Vafidis A, 2005, Non-Linear Inversion of Seismic Data for the Determination of Reflector Geometry and Velocity Structure, **Journal of Balkan Geophysical Society**, September 2005.
41. Sarris A, Karakoudis S*, Bidaki X*, Soupios P, 2005, Study of the Morphological Attributes of Crete through the Use of Remote Sensing Techniques, **IASME Trans**, Issue 6, Vol. 2, pp 1043-1051, ISSN 1790-031X, August 2005.
42. Soupios, P.M., Papazachos, C.B., Vallianatos, F., Papakostas, T., 2003, Numerical Treatment and Inspection of Inverse Problems, **WSEAS Transactions**, Issue 3, Vol. 2, pp. 547-552, ISSN 1109-2734.
43. Savvaidis, A., C. Papazachos, P. Soupios, O. Galanis, N. Grammalidis, Ch. Saragiotis, L. Hadjileontiadis and S. Panas, 2002, Implementation of Additional Seismological Software for the Determination of Earthquake Parameters Based on Matseis and an Automatic Phase Detector Algorithm, **Seismological Research Letters**, Jan./Feb. 2002, Vol. 73, No. 1, pp. 57-69.
44. Soupios, P. M., Papazachos, C. B., Juhlin, C. and Tsokas, G. N., 2001, Nonlinear Three-Dimensional Traveltime Inversion of Crosshole Data with an Application in the Area of Middle Urals, **Geophysics**, 66, 627-636.
45. A. Savvaidis, G. Tsokas, P. Soupios, G. Vargemezis, M. Manakou, P. Tsourlos, I. Fikos, 1999, Geophysical Prospecting in the Krousovitis dam (N.Greece) by Seismic and Resistivity geophysical methods, **Journal of Balkan Geophysical Society (BGS)**, Vol. 2, No. 4, 128-139.
46. Tsokas, G.N, Tsourlos,P., Soupios, P., Fasoulas, C. and Kaloidas, E., 1996, On the Ophiolites and the concealed magnetic bodies of the island of Crete (Greece), **Ofioliti**, 1996, 21 (2), 153-157.

EDITED BOOKS

1. L. Vance Watrous, D. Matthew Buell, Eleni Kokinou, Pantelis Soupios, Apostolos Sarris, Sabine Beckmann, Georgos Rethemiotakis, Lee Ann Turner, Scott Gallimore, and Mark D. Hammond, 2015, The Galatas Survey: The Socio-Economic and Political Development of a Contested Territory in Central Crete during the Neolithic–Ottoman Periods, **Archaeopress**.

BOOK CHAPTERS

1. Soupios P. and Ntarlagiannis D., 2016, Characterization and monitoring of solid waste disposal sites using geophysical methods: current applications and novel trends (invited chapter) (ed. D. Sengupta - Modeling Trends in Solid and Hazardous Waste Management), Springer (accepted, to be announced).
2. Soupios P. and Kokkinou E., 2015, Environmental Geophysics: techniques, advantages and limitations, (ed. Gemma Aiello - Geophysics: Principles, Applications and Emerging Technologies), **Nova Publisher, USA**, ISBN: 978-1-63484-831-2.
3. Soupios P., 2015, Seismic geophysical methods in archaeological prospection, (ed. A. Sarris - Best Practices of Geoinformatics Technologies for the Mapping of Archaeolandscapes), **Archaeopress Archaeology**, ISBN 978 1 78491, pp. 35-43.

4. Apostolos Sarris, Nikos Papadopoulos and Pantelis Soupios, 2014, *Contribution of Geophysical Approaches to the Study of Priniatikos Pyrgos*, chapter in *A Cretan Landscape through Time: Priniatikos Pyrgos and Environs* (eds Barry P.C. Molloy and Chloe N. Duckworth), **BAR International Series 2634**, ISBN 978 1 4073 1271 2.
5. Soupios P., 2012, *Hydrogeological and geophysical study on some large karstic aquifers in Crete Island: A review*, pp. 59-70, (ed. F. Sdao), *Methods and Technologies for Environmental Monitoring and Modeling: Landslides and Groundwater Dynamics*, **University of Basilicata Press**, ISBN: 88-89970-72-0.
6. Kouli Maria, Kalisperi Despina, Soupios Pantelis, Vallianatos Filippos, 2010, *Modeling Soil Erosion Processes in Watersheds and the Relation between Soil Loss with Geomorphic and Chemical Parameters*, chapter to *Watersheds: Management, Restoration and Environmental Impacts*, **Nova Publishers-USA**, ISBN: 978-1-61209-295-9.
7. Soupios P., Piscitelli S., Vallianatos F. and Lapenna V., 2008, *Contamination delineation and characterization of waste disposal sites performing integrated and innovative geophysical methods*, *Waste Management Research Trends* (ed. Toma V. Golush), Pub. Date: 2008, 2nd Quarter, ISBN: 978-1-60456-234-7, **Nova Publishers-USA**.
8. Kouli M., Lydakakis-Simantiris N. and Soupios P., 2008, *GIS-based aquifer modeling and planning using integrated geoenvironmental and chemical approaches*, *Groundwater: Modeling, Management and Contamination* (eds. Luka F. König and Jonas L. Weiss), Pub. Date: 2008, 4th Quarter, ISBN: 978-1-60456-832-5, **Nova Publishers-USA**.
9. Kouli M., Soupios, P. and Vallianatos F., 2007, *GIS – based water management in the Chania area, Western Crete*, *Studies in Mechanics, Environment and Geoscience*, (eds.) J. Krope, S. Necasova, N. Tutyshkin, E. Sapountzakis and M. Mucciarelli, **WSEAS Press**, ISBN: 978-960-8457-70-6.
10. Stampolidis, A., Soupios, P., Tsokas, G.N., Vallianatos, F., 2003, *Detection of Leaks in Buried Plastic Water Distribution Pipes in Urban Places Using GPR – A Case Study*, Ed. A. Yarovoy, Published by: **International Research Centre for Telecommunications-transmissions and Radar – IRCTR**, ISBN 90-76928-04-5, **IEEE** catalog number 03EX680.
11. G.Tsokas, P.Soupios, P.Tsourlos, G. Vargemezis, A. Savvaidis, C. Paliadeli- Saatsoglou, S.Drougou, 1999, *Geophysical investigations in the area between Eukleia's temple and the theater in ancient Aegae (Verghina) using various methods*, **Physics in Culture**, Ed. K. Paraskevopoulos, An Aristotle University Publication ISBN 960-243-573-9.

Editorial

1. Pantelis Soupios, Victor Kavvadias, Katherine Huddersman, Francesco Sdao and Dimitrios Ntarlagiannis, 2016, *Integrated Approaches to Soil Contamination Monitoring*, editorial of special issue, **Applied and Environmental Soil Science**, Hindawi pubs., doi:
2. Dimitrios Ntarlagiannis, Rory Doherty, Ralph Costa, Kenneth H. Williams, Chi Zhang, and Pantelis Soupios (2015).” Introduction to special section: Characterization and monitoring of subsurface contamination.” **Interpretation**, 3(4), SABi-SABii. doi: 10.1190/INT2015-0917-SPSEINTRO.1
3. Vincenzo Lapenna, Sabatino Piscitelli, and Pantelis Soupios, 2012, Editorial: *Electrical Imaging for Geohazard and Environmental Monitoring*, **International Journal of Geophysics**, Volume 2012 (2012), Article ID 786060, 1 page, doi:10.1155/2012/786060.

Submitted/In revision

Peer-reviewed journal articles

1. Autio E., Smirnov M., Soupios P., Savvaidis A., Gurk, M., 2016, *Combination of CSRMT, TEM and AMT methods in mapping of a sedimentary basin*, revised to **Journal of Applied Geophysics**
2. K. Simyrdanis, N. Papadopoulos, P. Soupios, S. Kirkou, P. Tsourlos, 2016, *Characterization and Monitoring of Subsurface Contamination from Olive Oil Mills' Wastes through Electrical Resistivity Tomography*, submitted to **Near Surface Geophysics**.
3. Argyriou V. A, Teeuw M. R., Soupios P., Sarris A., Rust D., *A GIS-based geomorphometric and morphotectonic assessment of neotectonic control on drainage systems. A case study of an outer fore-arc subduction zone, Crete Island, Greece*, submitted to **Geomorphology**.

Conference Proceedings

4. Serena Parisi, Francesco Sdao, Pantelis Soupios, *Hydrogeochemical features of the groundwater flowing within the aquifer of keritis river basin (North west Crete, Greece)*, submitted to Risk Analysis 2016 conference, Wessex Institute, UK
5. Dimitrios Ntarlagiannis, Panagiotis Kirmizakis, Dimitrios Kalderis and Pantelis Michael Soupios, 2016, *Using the spectral induced polarization method to assess biochar performance as a remediation agent*, submitted to AU Fall meeting.

CONFERENCE PROCEEDINGS/ABSTRACTS

2016

1. Payal Rani, Rosa Di Maio, Ester Piegari, Kleanthis Simyrdanis, Nikos Papadopoulos, Zoi Dokou, Nektarios Kourgialas, George Karatzas and Pantelis Soupios, 2016, **Application of time-lapse electrical resistivity tomography and groundwater simulation models to monitor the transport of organic contaminants under unsaturated and saturated conditions**, oral presentation, 60th IAH 2016, Montpellier France.
2. Payal Rani, Rosa Di Maio, Ester Piegari, Kleanthis Simyrdanis, Nikos Papadopoulos and Pantelis Soupios, 2016, **Application of self-potential method for monitoring the contamination from Olive oil mills' waste (OOMW)**, poster presentation, 60th IAH 2016, Montpellier France.
3. V. KAVVADIAS, K. ELAIOPOULOS, SID. THEOCHAROPOULOS, P. SOUPIOIS, 2016, **FATE OF POTENTIAL CONTAMINANTS DUE TO DISPOSAL OF RAW OLIVE MILL WASTE WATERS IN UNPROTECTED EVAPORATION PONDS**, oral presentation to 5th International Conference on Industrial and Hazardous Waste Management "CRETE 2016", September 27th – 30th, 2016 at Chania (Crete, Greece)
4. Rani, P., Di Maio, R., Piegari, E., Soupios, P., 2016, **TIME EVOLUTION OF SELF POTENTIAL ANOMALY SOURCES DUE TO ORGANIC CONTAMINANT TRANSPORT BY DIFFERENT DATA INVERSION APPROACHES**, oral presentation at 88th Congress of Geological Society of Italy.
5. Kirmizakis, P., Ntarlagiannis, D., Kalderis, D. and Soupios, P., 2016, **Monitoring of organic load reduction in olive-mill wastewater by biochar using the spectral induced polarization (SIP) method**, poster presentation at 88th Congress of Geological Society of Italy.
6. Komelidou C., Kirmizakis P., Soupios P., Savaidis A. and Tsourlos P., 2016, **TECTONIC REGIME OF THE SUBURBAN (SOUTHERN) AREA OF CHANIA CITY IN CRETE ISLAND BY USING GEOPHYSICAL METHODS**, accepted for presentation to Bulletin of the Geological Society of Greece, vol. L, Proceedings of the 14th Intern. Conference, Thessaloniki, May 2016

2015

7. Pantelis Soupios, 2015, **Prospection of wind farm site using geophysics**, accepted for oral presentation to 8th Balkan Geophysical Society Congress, Chania, Oct. 2015.
8. Stella Kirkou, Panagiotis Tsourlos, Pantelis Soupios, Nikos Papadopoulos, Kleanthis Simyrdanis, 2015, **Goelectrical monitoring of a saline tracer by applying 3D ERT time lapse monitoring**, accepted for oral presentation to Near Surface Geophysics Conference, EAGE, Turin 2015.
9. Dimitrios Ntarlagiannis, Judy Robinson, Panagiotis Kirmizakis, Pantelis Soupios and Lee D. Slater, 2015, **Electrical geophysical monitoring of organic waste contamination**, accepted for poster presentation to Near Surface Geophysics Conference, EAGE, Turin 2015.
10. Konstantina Gerodimou, Panagiotis Kirmizakis, Pantelis Soupios and Antonis Vafidis, 2015, **Preliminary results from lab experiments on the use and sensitivity of Spectral Induced Polarization (SIP) method for monitoring contaminated lands**, accepted for poster presentation to 8th Balkan Geophysical Society Congress, Chania, Oct. 2015.
11. G. Panagopoulos, E. Manoutsoglou, A. Vafidis, P. Soupios & S. Bellas, 2015, **Subsurface Structure of Tympaki Basin (Crete, Greece) Based on Well and Geophysical Data**, accepted for poster presentation to 8th Balkan Geophysical Society Congress, Chania, Oct. 2015.
12. Pantelis Soupios and Marios Karaoulis, 2015, **Application of Self-Potential (SP) method for monitoring contaminants movement**, presented to 8th Balkan Geophysical Society Congress, Chania, Oct. 2015.
13. Loupasakis C., Tsangaratos P., Rozos D., Rondoyianni Th., Vafidis A., Kritikakis G., Steiakakis M., Agioutantis Z., Savvaidis A., Soupios P., Papadopoulos I., Papadopoulos N., Sarris A., Mangriotis M-D. and Dikmen U., 2015, **Cross validation of geotechnical and geophysical site characterization methods. Near surface data from selected accelerometric stations in Crete, Greece**, RSCy 2015, Cyprus.

14. Panagiotis Kirmizakis*, Pantelis Soupios, Kleanthis Simyrdanis, Stella Kirkou, Nikos Papadopoulos, Panagiotis Tsourlos, Dimitrios Ntarlagiannis, Judy Robinson, Lee D. Slater and Jung-Ho Kim, 2015, **Geoelectrical characterization of an olive oil mill waste (OOMW) site**, SAGEEP 2015, Texas Austin, USA.
15. Paraskevas Tsangaratos, Constantinos Loupasakis, Dimitrios Rozos, Theodora Rondoyianni, Antonios Vafidis, Alexandros Savvaidis, Pantelis Soupios, Nikos Papadopoulos and Apostolos Sarris, 2015, **The importance of geological data and derived information in seismic response assessment for urban sites. An example from the Island of Crete, Greece**, Geophysical Research Abstracts, Vol. 17, EGU2015-13047, 2015, EGU General Assembly 2015
16. Constantinos Loupasakis, Paraskevas Tsangaratos, Dimitrios Rozos, Theodora Rondoyianni, Antonis Vafidis, Emanouil Steiakakis, Zacharias Agioutantis, Alexandros Savvaidis, Pantelis Soupios, Ilias Papadopoulos, Nikos Papadopoulos, Apostolos Sarris, Maria-Dafni Mangriotis and Unal Dikmen, 2015, **Near surface geotechnical and geophysical data cross validated for site characterization applications. The cases of selected accelerometric stations in Crete island (Greece)**, Geophysical Research Abstracts, Vol. 17, EGU2015-7442, 2015, EGU General Assembly 2015
17. Nadine Haaf, Pritam Yogeshwar, Hector Hinojosa-Prieto, Bülent Tezkan, Klaus-G. Hinzen, Pantelis Soupios, 2015, **Transient electromagnetic (TEM) measurements for exploring sedimentary structures at Tiryns and Midea, Greece**, Deutsche Geophysikalische Gesellschaft, 23-26 March 2015, Hannover, Germany.

2014

18. Dimitrios D Alexakis, Apostolos Sarris, Nikos Papadopoulos, Pantelis Soupios, Maria Doula, Victor Kavvadias, 2014, **GEODIAMETRIS: An integrated geoinformative approach for monitoring land pollution from disposal of olive oil mill wastes**, presented on Second International Conference on Remote Sensing and Geoinformation of Environment', April 7-10 April 2014, received best poster award.
19. Dimitrios Alexakis, Apostolos Sarris, Chariton Kalaitzidis, Nikos Papadopoulos, Pantelis Soupios, 2014, **Development of automated satellite remote sensing and ground spectroscopy techniques for monitoring olive oil mill waste disposal areas in Crete-Greece**, presented to 34th EARSeL (European Association of Remote Sensing Laboratories) Symposium, 16-20 June 2014 University of Warsaw, Poland
20. Pantelis Soupios, Nektarios Kourgialas, Zoi Dokou, George Karatzas, George Panagopoulos, Antonis Vafidis, Emmanuil Manoutsoglou, 2014, **Modeling Saltwater Intrusion at an Agricultural Coastal Area using Geophysical Methods and the FEFLOW Model**, IAEG XII Congress, 15-19 September 2014, Torino, ITALY
21. Pantelis Soupios, Hector R. Hinojosa-Prieto and Klaus-G. Hinzen, 2014, **Mapping the Soil-Bedrock Interface in the Alluvial Argive Basin (Greece) with TEM Soundings**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
22. Kalisperi D.*, Soupios P., Kershaw S., Kouli, M., Barsukov P., Vallianatos F. And Lydakis-Simantiris N., 2014, **Geophysical and Geochemical study of Geropotamos aquifer in the north-central coast of Crete, Greece**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
23. S. Kikrou*, P. Tsourlos, N. Papadopoulos, P. Soupios and J-H Kim, 2014, **Time lapse ERT monitoring of Olive-oil mills' wastes (OOMW) using simulation and experimental data**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
24. Nikos Papadopoulos, Pantelis Soupios, Jung-Ho Kim, Kleanthis Simyrdanis, Stella Kirkou, Panagiotis Tsourlos, 2014, **Mapping of Olive Oil Mills. Wastes (OOMW) through Electrical Resistivity Tomography: A case study from Alikianos site in eastern Crete (Greece)**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
25. Power C.*, Gerhard J.I., Tsourlos P., Soupios P., Simyrdanis K. and Karaoulis M., 2014, **Improved time-lapse ERT monitoring of dense non-aqueous phase liquids with surface-to-horizontal borehole arrays**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
26. Simyrdanis K.*, Tsourlos P., Papadopoulos N. and Soupios P., 2014, **Optimized arrays for surface-to-tunnel ERT measurements**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
27. Antonis Vafidis, Pantelis Soupios, George Kritikakis, Nikos Andronikidis, Nikos Economou, Hamdan Hamdan, Emmanouil Manoutsoglou, Manolis Steiakakis, Emin Candansayar, Maria-Theresia Schafmeister,

- Marinos Kritsotakis, 2014, **Salt water intrusion imaging at Tybaki (Greece) using geophysical methods**, 20th European Meeting of Environmental and Engineering Geophysics, Athens 14-18 September 2014.
28. Christos Karakostas, Alexandros Savvaidis, Vassilis Lekidis, Basil Margaris, Nikos Theodoulidis, Antonis Vafidis, Constantinos Loupasakis, Pantelis Soupios and Nikos Papadopoulos, 2014, **A proposal for accelerometric station validation procedures: application to representative sites in Crete (Greece)**, Second European Conference on Earthquake Engineering and Seismology (2ECEES) to be organized in Istanbul, Turkey during 24-29 August, 2014.
29. Jason I. Gerhard, Christopher Power, Panagiotis Tsourlos, Pantelis Soupios, Marios Karaoulis, 2014, **Mapping Contaminant Remediation with Electrical Resistivity Tomography**, AGU Fall Meeting, Dec 2014, H51M-0788.

2013

30. Savvaidis A., Margaris B., Theodoulidis N., Lekidis V., Karakostas Ch., Mangriotis M-D., Kalogeras I., Koutrakis S., Vafidis A., Steiakakis M., Agioutantis Z., Rozos D., Loupasakis C., Rondoyianni Th., Tsagaratos P., Dikmen U., Papadopoulos N., Sarris A., Soupios P., Kokkinou E., Papadopoulos I., Kouli M. and Vallianatos F., 2013, **Geo-characterization according to recent advances of eurocode (EC8)**, presented to First International Conference on Remote Sensing and Geoinformation of Environment, 8-10 April 2013, Paphos, Cyprus. Received the BEST PAPER AWARD
31. Vafidis A., Steiakakis M., Agioutantis Z., Andronikidis N., Kritikakis G., Economou N., Pandi K., Spanoudakis N., Savvaidis A., Margaris B., Theodoulidis N., Lekidis V., Karakostas Ch., Mangriotis M-D., Kalogeras I., Koutrakis S., Rozos D., Loupasakis C., Rondoyanni Th., Tsangaratos P., Dikmen U., Papadopoulos N., Sarris A., Soupios P., Kokkinou E., Papadopoulos I., Kouli M., and Vallianatos F., 2013, **Geo-characterization of selected areas in Crete, Greece, towards realistic assessment of seismic design actions**, Bulletin of the Geological Society of Greece, vol. XLVII 2013 Proceedings of the 13th International Congress, Chania, Sept. 2013
32. Pantelis Soupios, Nikos Papadopoulos and Apostolos Sarris, 2013, **Reconstructing concealed cultural remains through integrated geophysical tomographic methods**, Bulletin of the Geological Society of Greece, vol. XLVII 2013 Proceedings of the 13th International Congress, Chania, Sept. 2013
33. Panagopoulos G., Giannakakos E., Manoutsoglou E., Steiakakis E., Soupios P. & Vafidis A., 2013, **Definition of inferred faults using 3D geological modeling techniques: A case study in Tympaki basin in Crete, Greece**, Bulletin of the Geological Society of Greece, vol. XLVII 2013 Proceedings of the 13th International Congress, Chania, Sept. 2013
34. Vafidis A., Andronikidis N., Hamdan H., Kritikakis G., Economou N., Panagopoulos G., Soupios P., Steiakakis E., Manoutsoglou E., 2013, **The CLEARWATER project: preliminary results from the geophysical survey in Tymbaki, Crete, Greece**, Bulletin of the Geological Society of Greece, vol. XLVII 2013 Proceedings of the 13th International Congress, Chania, Sept. 2013
35. Simyrdanis K.*, Tsourlos P., Soupios P. and Tsokas G., 2013, **Simulation of ERT surface-to-tunnel measurements**, Bulletin of the Geological Society of Greece, vol. XLVII 2013 Proceedings of the 13th International Congress, Chania, Sept. 2013
36. Pavel Barsukov, Pantelis Soupios, Yuri Gorokhovich, 2013, **Application of special SPM loop in archaeological prospection**, proc. of the 20th International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey
37. Pantelis Soupios, Pavel Barsukov, Marcus Gurk and Alexandros Savvaidis, 2013, **Regional tectonic model of Volvi Lake in Northern Greece by applying 3D TEM modeling**, Presented to 20th International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey
38. Ioannis Koutsoupakis*, Dimitris Raptakis, Pantelis Soupios, Antonios Vafidis, 2013, **Preliminary Vs30 spatial distribution of Chania city, Greece based on MAM measurements**, presented to 20th International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey
39. M. Emin Candansayar , İsmail Demirci, Antonis Vafidis, Pantelis Soupios, 2013, **Investigation of Salt Water Intrusion with Joint Inversion of Direct Current Resistivity and Seismic Refraction Data**, presented to 20th International Geophysical Congress and Exhibition of Turkey, 25-27 November 2013, Antalya, Turkey.

2012

40. V. Saltas, N. Lydakis-Simantiris, P. Soupios, F. Vallianatos, 2012, **Complex dielectric permittivity and electrical conductivity measurements as a diagnostic tool for the detection of heavy metals adsorbed in bentonite samples**, 3rd International Conference on Hazardous and Industrial Waste Management.
41. K. Simyrdanis*, P. Tsourlos, P. Soupios, J-H Kim, 2012, **Optimizing Surface-to-tunnel ERT Measurements**, Near Surface Geoscience 2012 – 18th European Meeting of Environmental and Engineering Geophysics, Paris, France, 3-5 September 2012
42. P. Seferou*, P. Soupios, E. Candasayar, N. Papadopoulos, A. Sarris, H. Aktarakçi, 2012, **Monitoring of contaminant transport by using geoelectrical resistivity tomography**, 3rd International Conference on Hazardous and Industrial Waste Management.

2010

43. Kalisperi D.*, Parisi S., Sdao F., Kershaw S., Lydakis-Simantiris N., Collins P., Soupios P. and Paternoster M., 2010, **Hydrogeochemical and isotopic characterisation and groundwater resources quality in the north-central coastal aquifer of Crete, Greece**, 24-26 Mar 2010 Agadir, MOROCCO. Integrated Water Resources Management and Challenges of the Sustainable Development. Organised by IAH Moroccan Chapter
44. Sdao F., Parisi S., Soupios P., Pascale S., Lydakis N., 2010, **Assessment of vulnerability to pollution and groundwater quality of Keritis river basin, (Northwestern Crete, Greece)**, Water Pollution 2010, 10th International Conference on Modelling, Monitoring and Management of Water Pollution, 9-11 June 2010, Bucharest, Romania
45. Koutsios A., Kontopoulos N., Kalisperi D., Soupios P. and Avramidis P., 2010, **Sedimentological and geophysical observations in the delta plain of Selinous river, The lost city of Ancient Helike**, Bulletin of the Geological Society of Greece, 2010, Proceedings of the 12th International Congress, Patras, May, 2010.
46. Moisiidi M*, Kershaw S, Rust D, Collins P, Soupios P and Vallianatos F , 2010, **Geological and Electrical Resistivity Tomography surveys applied to model the tectonic environment of the Kastelli-Kissamou basin, Northwestern Crete, Greece**, WSEAS 2010, (640-838 file).
47. Soupios P., 2010, **Detailed hydrogeological study of coastal aquifers**, 2nd Issue of TEI Crete (Jan.-March 2010), pp. 32-36. (in greek)

2009

48. Kanta A. *, Soupios P.M., Vallianatos F., and Rust D., 2009, **Geophysical characterization and delineation of the Keritis Basin, Crete island, Greece using time domain electromagnetic method**, AMIREG 2009
49. Sdao, F., Parisi S., Pascale S., Kanta A., Soupios P., Rust D., 2009, **Vulnerability to pollution evaluation and mapping of Keritis river basin (Northwestern Crete, Greece)**, GlobaNEST
50. Kanta A., Soupios P., Vallianatos F., Rust D. and Barsukov P., 2009, **The application of Time Domain Electromagnetic Method to characterize the Keritis Basin, in Western Crete, Greece**, 3rd IASME / WSEAS International Conference on GEOLOGY and SEISMOLOGY (GES '09) Cambridge, UK, February 24-26, 2009.
51. Kalisperi, D. *, Soupios, P., Kouli, M., Barsukov, P., Kershaw, S., Collins, P., and Vallianatos, F, 2009, **Coastal aquifer assessment using geophysical methods (TEM, VES), case study: Northern Crete, Greece**, 3rd IASME / WSEAS International Conference on GEOLOGY and SEISMOLOGY (GES '09) Cambridge, UK, February 24-26, 2009.
52. Sdao F., Parisi S., Kalisperi D., Pascale S., Lydakis-Symantiris N., Kershaw S., Mongelli G., Soupios P., 2009, **Groundwater high salinity in Geropotamos basin (Crete, Greece): sea water intrusion or Miocene Evaporites water interaction processes?** Goldschmidt 2009, GeoChemical Conf. - "Challenges to Our Volatile Planet", June 21 - 26 in Davos, Switzerland, GEOCHIMICA ET COSMOCHIMICA ACTA Volume: 73 Issue: 13 Pages: A1189-A1189 Supplement: Suppl. S Published: JUN 2009

2008

53. Massimo Bavusi, Alessandro Giocoli, Sabatino Piscitelli, Apostolos Sarris, Pantelis Soupios and Filippou Vallianatos, 2008, **GPR survey to evaluate joint and crack geometry in the building of the Prefecture of Chania (Crete Island, Greece)**, Proc. of 12th International Conference on Ground Penetrating Radar, June 16-19, 2008, Birmingham, UK.

2007

54. Kouli M., Soupios P. and Vallianatos F., 2007, **GIS – based water management in the Chania area, Western Crete**, Proceedings of the 2nd IASME / WSEAS International Conference on Water Resources, Hydraulics & Hydrology, Portoroz, Slovenia, May 15-17, 2007, pp. 69-74.
55. A.A. Tsave*, E.S. Karapidakis and P.M. Soupios, 2007, **Contribution of Landfill Gas Electricity Generation to Energy Balance of Crete Island: An economic, environmental and sustainable assessment using LEAP model**, International Workshop on Deregulated Electricity Market Issues in South-Eastern Europe (DEMSEE 2007), pp. 218-222, Istanbul/Turkey, 19-20 September, 2007

2006

56. P.M. Soupios, M. Kouli, F. Vallianatos, A. Vafidis and G. Stavroulakis, 2006, **Hydraulic Parameters from surface geophysical methods: Keritis Basin in Chania-Crete**, Proc. of International Conference: Protection and Restoration of the Environment, 3-7 July 2006, Chania, Crete-Greece.
57. A. A. Tsave*, P. M. Soupios and E. S. Karapidakis, 2006, **Energy Potential of Biogas Generation in Landfills: Experimental Investigations**, Proc. of International Conference: Protection and Restoration of the Environment, 3-7 July 2006, Chania, Crete-Greece.
58. F. Vallianatos, P. Soupios, J. P. Makris, V. Saltas, I. Papadopoulos and G. Hloupis, 2006, **Construed Geotechnical Characteristics of Foundation Beds by Geophysical Measurements**, Proc. of 2nd International Conference Advances in Mineral Resources Management and Environmental Geotechnology, Hania, Crete, Greece, 25-27 September 2006.
59. P. Soupios, C.B.Papazachos, G. Vargemezis and A. Savvaidis, 2006, **In Situ Geophysical Investigation to Evaluate Dynamic Soil Properties at the Ilarionas Dam, Northern Greece**, Proc. of 2nd International Conference Advances in Mineral Resources Management and Environmental Geotechnology, Hania, Crete, Greece, 25-27 September 2006.
60. Sarris A., Vallianatos F., Soupios P., Papadopoulos I. and Savvaidis A., 2006, **Exploring the Geological Parameters of Urbanized Centers at the Island of Crete through Geophysical Approaches**, Proceedings of the 2006 IASME/WSEAS Int. Conf. on Energy, Environment, Ecosystems & Sustainable Development, Greece, July 11-13, 2006 (pp622-628).
61. Vallianatos F., Makris J., Soupios P., Hloupis G., Nikolintaga I., Kokinou E., Moisidi M., Kalisperi D., 2006, **A New Telemetry Seismological Network in The Front Part of the Hellenic Arc: its contribution to the study and understanding of the seismic behavior of the area**, presented in the European Geophysical Union Conference.
62. Vallianatos F., Nikolintaga, I., Kokkinou E., Makris, J., Soupios, P. and Moisidi M., 2006, **Preliminary results of the Kythira (SW Greece) January 8, 2006, Aftershock Sequence**, Proceedings of the 1st European Conference on the Earthquake Engineering and Seismology, Geneva, Switzerland, 3-8 September 2006, Paper Number:1063.

2005

63. Pantelis Soupios, Apostolos Sarris, Giorgos Papadakis, Michalis Papazoglou, Filippou Vallianatos, John Makris, 2005, **Compilation of a Relational Digital Database for Monitoring and Management of GeoEnvironmental Data in Crete Region**, Proc. of WSEAS 2005, Engineering Education, 12-14 July, Vouliagmeni, Athens, ISBN 960-8457-28-9, pp. 423-430.
64. Filippou Vallianatos, John P. Makris, Pantelis Soupios, Vasilis Saltas, Ilias Papadopoulos, George Hloupis, Maria Kouli, Dimitris Alexakis, Eleni Kokkinou, Irene Nikolintaga, Despoina Kalisperi, Margarita Moisidi, 2005, **Coupling GeoEnvironmental Research & Education: Examples from the Technological Educational Institute of Crete**, Proc. of WSEAS 2005, Engineering Education, 12-14 July, Vouliagmeni, Athens, ISBN 960-8457-28-9, pp. 503-510.
65. Kalisperi Despoina*, Hloupis George, Makris, John, P., Derek Rust, Vallianatos Filippou, Saltas, Vassilios, Soupios Pantelis, Vardiampasis Ioannis, 2005, **Educational Software Bundle for Studying Magnetotelluric Theory and Specific Goelectric Structure Models**, Proc. of WSEAS 2005, Engineering Education, 12-14 July, Vouliagmeni, Athens, ISBN 960-8457-28-9, pp. 477-486.
66. Pantelis Soupios, John P. Makris, Filippou Vallianatos, 2005, **A Computer Based Automatic System for Leak Detection and Location for Waste Management Applications**, Proc. of WSEAS 2005, Engineering Education, 12-14 July, Vouliagmeni, Athens, ISBN 960-8457-28-9, pp. 511-518.
67. Maria Kouli, Dimitris Alexakis, Filippou Vallianatos, Pantelis Soupios, Apostolos Sarris, Aikaterini Xepapadaki, Nantia Zoumpoulou, 2005, **Integration of Geographic Information Systems in**

- Technological Education. An example in the Geo-environmental sciences**, Proc. of WSEAS 2005, Engineering Education, 12-14 July, Vouliagmeni, Athens, ISBN 960-8457-28-9, pp. 487-492.
68. Soupios, Pantelis M., Papazachos, Constantinos B., Vargemezis, George, Fikos, Ilias, 2005, **Application of Modern Seismic Methods for Geotechnical Site Characterization**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, pp. 163-170.
69. P. Soupios, T. Manios, A. Sarris, F. Vallianatos, K. Maniadakis, N. Papadopoulos, J. P. Makris, M. Kouli, E. Gidarakos, V. Saltas, N. Kourgialas, 2005, **Integrated Environmental Investigation of a municipal landfill using modern techniques**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, σελ. 75-82.
70. Soupios, Pantelis M., Vallianatos, Filippos C., Papadopoulos, Ilias Th., Makris, John P., Marinakis, M., 2005, **Surface-Geophysical Investigation of a Landfill in Chania, Crete**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, pp. 149-156.
71. Soupios, Pantelis M., Vallianatos, Filippos C., Makris, John P., Papadopoulos, Ilias Th., 2005, **Determination of a Landfill Structure Using HVSR, Geoelectrical and Seismic Tomographies**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, pp. 83-90.
72. Papadopoulos Ilias, Soupios Pantelis, Vallianatos Fillipos, and Makris John, 2005, **Electrical Resistivity Tomography in Urban Areas: A Case Study in Chania, Greece**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, pp. 143-148.
73. V. Saltas, F. Vallianatos, P. Soupios, J. P. Makris, D. Triantis, 2005, **Application of dielectric spectroscopy to the detection of contamination in sandstone**, Proc. of International Workshop in Geoenvironment and Geotechnics 12-14 September 2005, Milos island, Greece, ISBN 960-88153-7-1, pp. 269-274.
- 2004**
74. Moisidi*, M., Vallianatos, F., Makris, J., Soupios, P. & Nikolintaga, I., 2004, **Estimation of Seismic Response of Historical and Monumental Sites Using Microtremors: A Case Study in the Ancient Aptera, Chania, Crece**, Proc. of 10th Int. Conf. of Hellenic Geological Society, Vol. XXXVI, 2004.
- 2001**
75. Kyriakidis, L., Stergiopoulos K. and Soupios P., 2001, Determination of the thickness and characteristics of artificial layers in quarries by using seismic refraction method, proceedings of the 4th National conference of Geotechnical Engineering and Geoenvironmental mechanics, Athens (in greek).
- 2000**
76. Papazachos, C., Soupios, P., Savvaidis, A., and Roumelioti, Z., 2000, **Identification of small-scale active faults near metropolitan areas: An example from the Asvestochori fault near Thessaloniki**, XXVII General Assembly of the European Seismological Commission (ESC), Lisbon, Portugal 10-15 September 2000.
77. Savvaidis, A., Papazachos, C., Soupios, P., Grammalidis, N., Saragiotis, Ch., Hadjileontiadis, L., Panas, S., 2000, **Rapid Determination of Earthquake Parameters Using a Phase Auto-Detect System**, XXVII General Assembly of the European Seismological Commission (ESC), Lisbon, Portugal 10-15 September 2000.

PHD DISSERTATIONS MENTORED

1. Petros Mpogiatis, Sept. 2006 (now Research scientist, Harvard University, USA).
2. Kleanthis Symirdanis, Oct. 2009 (now Research scientist, Foundation for Research and Technology-Greece).
3. Despina Kalisperi, Dec. 2009 (now Research scientist, Technological Educational Institute of Crete, Greece).
4. Margarita Moisidi, Feb. 2009 (now Research scientist, Technological Educational Institute of Crete,

Greece).

5. Hamdan Hamdan, March 2009 (now at United Arab Emirates, RIGZONE Oil Industry).

MSC DISSERTATIONS MENTORED

1. Asimina Kanta, Jan. 2009.
2. Paraskeyi Seferou, Nov. 2011.

ONGOING PhD/MSc Thesis

1. Stylliani Kirkou, 2013, Time lapsed monitoring of contaminated sites by using geoelectrical methods, PhD thesis, Aristotle University of Thessaloniki, Greece (started 27-02-2013 until 2018) (member of the advisory committee).
2. Konstantina Gerodimou, 2014, Environmental application of the Spectral Induced Polarization (SIP) method, MSc thesis, Technical University of Crete, (started 18-02-2014 until 09-2016) (member of the advisory committee).
3. Panagiotis Kirmizakis, 2015, SIP and possible decontamination scenarios, MSc thesis, TEI Crete (supervisor).
4. Payal Rani, 2016, Integrated monitoring of contaminated lands using geophysical and surface-groundwater simulation approaches, PhD thesis, University of Naples, Italy (member of the advisory committee).
5. Nikolaos Bougiouras, 2016, Analysis and processing of reflection seismic data by using Matlab, Technical University of Crete (supervisor).
6. Anna Patoulidou, 2016, Preliminary microzonation study of the sub-urban area of Chania city, Technological Educational Institute of Crete (supervisor).

RESEARCH GRANTS:

ACTIVE

Acting as Principal Investigator (PI)

Acting as co-PI

PENDING

Acting as co-PI

1. International Research Experiences for Students (IRES): A Comprehensive Geo-science Experience for the New Generation of Environmental Scientists, in collaboration with Rutgers University (Program Solicitation NSF 12-551).

COMPLETED

Acting as Principal Investigator (PI)

1. Geotechnical characterization of a wind farm site using seismic (Refraction, MASW, ReMi) methods, National Resources, budget: 2 000.00 €
2. Integrated geoinformatics technologies for time-lapse monitoring of land pollution from the disposal of olive-oil mills wastes (GEODIAMETRIS), co-funded by the European Social Fund and National Resources, 2012-2015, Budget: 528 000.00 €.
3. Interdisciplinary study for exploring, understanding and management of groundwater resources. Pilot field investigation North-West and Central Crete (AQUADAM), co-funded by the European Social Fund and National Resources, 2012-2015, Budget: 100 000.00 €

4. Application of innovative techniques in landfills, co-funded by the European Social Fund and National Resources, 2004-2008, budget: 52 000.00 €
5. Detailed hydrogeophysical survey for Coastal aquifer assessment North Western Crete (Aptera, Souda area, Chania Municipality), Greece, 2008-2009, budget: 31 000.00 €
6. Detailed 3D geophysical survey by using GPR and ERT survey prior the construction of a large scale multistore building, National resources, 2006, budget: 21 000.00 €.

Acting as co-PI

1. Geotechnical characterization of selected areas in Crete using geophysical and geotechnical methods (GEOCHARACTERIZATION), co-funded by the European Social Fund and National Resources, 2012-2015, Budget: 600 000.00 €.
2. Technologies Coalescence for Holistic Seismoelectromagnetic Research (Lithosphere-Atmosphere-Ionosphere Coupling) - TeCH-SEM, Budget: 82 000.00 €
3. Interdisciplinary Multi-Scale Research of Earthquake Physics and Seismotectonics at the front of the Hellenic ARC (IMPACT-ARC), Budget: 82 000.00 €.
4. geophysical based hydrogeological modeling to prevent pollution from sea water intrusion at coastal areas – EU project, CLEARWATER, BLACK SEA ERA.NET, 2012-2014, Budget: 198 000.00 €.
5. Development of tomographic geophysical methods for solving geotechnical and environmental problems, Hrakleitos Project, co-funded by the European Social Fund and National Resources, 2010-2013.
6. Advanced techniques for seismic risk reduction in Mediterranean Archipelago Regions (SE-RISK) - INTERREG III B ARCHIMED, co-funded by the European Social Fund and National Resources, 2006-2007.
7. Methodology integration of EO techniques as operative tool for land degradation management and planning in Mediterranean areas (MILDMAP – MEDIA) - INTERREG III B ARCHIMED, co-funded by the European Social Fund and National Resources, 2006-2007.
8. Archaeological geophysical survey to solve geotechnical problems (differential subsidence) at Knossos Palace in Heraklion, National resources, 2006.
9. Solution of non-linear geophysical problems, dispersion of aerosols and propagation of electromagnetic waves by using parallel computing facilities, Archimedes I project, co-funded by the European Social Fund and National Resources, 2003-2006, budget: 48 000.00 €.
10. Development of an Expert System of Monitoring, Management and Protection of Natural Resources and Environment, co-funded by the European Social Fund and National Resources, 2003-2005, budget: 13 000.00 €.

While at Aristotle University of Thessaloniki (during my MSc/PhD)

1. Depiction/sizing of Boxite lenses by using non-destructive methods, A&B Mineral Company, 2002.
2. Down-hole and Crosshole seismic tomography survey in the area of Ilarionas River in order to estimate the P and S velocity as well as the attenuation model prior the construction of Ilarionas Dam, March 2002
3. Automatic tomographic interpretation of crosshole seismic data, Jan. 2002 - Dec. 2002.
4. GEOWATERS: Forward modelling of single shot shallow reflection seismics in the area of Koumoundouros Lake as part of the European Project GEOWATERS, January-June, 2002, supported by E.C.
5. EUROSEIS-RISK: Seismic Hazard Assessment site Effects and Soil Structure Interaction Studies in a Instrumented Basin, European Project, Jan. 2002- Dec. 2004.

6. Cost-effective geophysical technology for petroleum exploration in non-seismic areas, November, 2001, supported by E.C and Enterprize Oil Company
7. New geoenvironmental techniques for monitoring/solving contamination problems, 2000.
8. Microzonation study of the city of Lemesos in Cyprus, applying geophysical methods such as shallow seismic reflection/refraction method to estimate the seismic risk, March 2000
9. Geophysical survey in the area of TVX Hellas S.A in Olimpiada, applying various geophysical methods, such as geoelectrical tomography, resistivity mapping, measurements of magnetic field, georadar etc, September-October 1999
10. Geophysical survey at selected sites of Krousovitis river in Sidirokastro - Serres prior the construction of a Dam, 1999
11. Geophysical survey along the tunnel of highway in Platamonas-Greece, 1998
12. Tomographic Imaging in the Middle Urals, 1997-98. (funded by Uppsala University - Urals project), 1997-1998.
13. Automatic calculation of earthquake epicenter and processing of waveforms in real time, 1998
14. Seismicity study and seismic hazard assessment in the broader area of Gratini Dam (Komotini, N. Hellas), 1997
15. Installation of an MT station in various places inside the area of Anthemounta (Thessaloniki) for recording the MT signals trying to interpret the structure of the study area.
16. Volvi-Thessaloniki: A European Test-Site for Engineering Seismology, Earthquake Engineering and Seismology" of the Enviroment 1997
17. Microzonation study of the city of Thiva-Volos applying geophysical methods to estimate the seismic risk, (central Greece) 1997
18. EURO-SEISMOD: Development and experimental validation of Advanced modeling techniques in Engineering Seismology and Earthquake Engineering (ENV4-CT 96-0255), 1996
19. Active faulting and seismic hazard in Attiki (Hellas) (ENV4-CT 96-0277), 1996
20. Seismicity and seismic hazard assessment at the site of construction of the General Hospital of Serres Prefecture, 1996.
21. Seismicity study and seismic hazard assesement in the area of Ilariona's dam (Kozani, W. Hellas), 1996.
22. Geoelectrical Tomography along the route of underground (Metro) at the ancient Cemetery of Kerameikos in Athens, 1996
23. Geoelectrical Tomography survey at the site of construction of underground (Metro) at the National Garden (Athens), 1996
24. AUTO-SEISMO-GEOTECH: An automated geotechnic project for prevention-mitigation of seismic risk in the cities of high seismic activity in the framework of detailed microzonation studies, 1995
25. Geophysical investigation of the selected areas of the Archaeological sites of Nikopolis-Preveza, Ierapetra-Crete, Limori-Epanomi, Verghina-Macedonia, Europos-Macedonia, 1993-1995.
26. Geophysical investigation between the 45.7 and 46.9 Km of the 2nd branch of the National Motorway between Thessaloniki and Katerini, 1993.

Projects carried out as freelance Geologist/Geophysicist (1995-2002)

1. HydroGeological and Geophysical study for depicting the optimum location for hydrowell construction at the area of Derveni, Kilkis, Asbestoxorion, Polykastron, Petrokaersa, Potidaia, Tagarades in Thessaloniki Perfecture, 1995-1997.
2. Seismic refraction survey in Thiva city on behalf of LARCO, General Mining and Metallurgical company, 1997.
3. Geophysical survey by applying geoelectrical and seismic surveys for estimation of corrosion factors along the gas distribution network in industrial area of Thessaloniki, 1998.

4. Geoelectrical tomography at the Industrial area of Kavala, 1999.
5. Geoelectrical tomography in Andros island, 1999.
6. Supervision/evaluation of geotechnical boreholes along EGNATIA ODOS highway, section: Asprovalta-Strymonas (11.2-11.3) bridges (T2, T3, T6, T8), Supervision by: I. Maurakis, Constructor: S. Asproudas & Associates, May-June, 1999
7. Supervision and evaluation of geotechnical boreholes along EGNATIA ODOS highway, section: Bridge K4, N. Eykarpia, Thessaloniki, 1999.
8. Geoelectrical tomography at the area of Kifisia-Thessaloniki to determine inappropriate sites for building construction, July, 1999.
9. Geological survey along the axis of Tymfristos-Karpenision tunnel, 1999.
10. Shallow refraction seismics in the area of Liosia-Athens during the construction of the Olympic games athletic facilities, ATHENS 2004, Constructor: GEOMIXANIKI S.A. & ATHENS 2004 S.A., 1999.
11. Shallow refraction seismics in the area of Nikaia-Athens, during the construction of the Olympic games athletic facilities, ATHENS 2004, Constructor: GEOMIXANIKI S.A. & ATHENS 2004 S.A., 1999.
12. Detailed Geological study along the Ring Road (Highway) of Ptolemaida city, January-March 2000, Constructor: POLYLINE S.A, 2000.
13. Shallow refraction and reflection seismics in the area of Virona-Athens, during the construction of the Olympic games athletic facilities, ATHENS 2004, Constructor: GEOMIXANIKI S.A. & ATHENS 2004 S.A., 2000.
14. Down-hole and Crosshole refraction and seismic tomography study in the area of Peristeri in Athens as part of the Microzonation study of Athens, May 2001.
15. Down-hole and Crosshole seismic tomographic survey in the area of Nestos Bridge (Section 14.1.2 - EGNATIA ODOS highway) in order to estimate the P and S velocity as well as the attenuation model, November 2001-February 2002.
16. Crosshole tomography on the area of the New Acropolis Museum in Athens in order to give an estimation of the velocity model prior the construction, February 2002, Constructor: GEOMIXANIKI S.A
17. Supervision/evaluation of geotechnical boreholes along the EGNATIA ODOS highway, section: Thessaloniki-Serres-Promaxonas (60.3.4) (NG-##), Supervision by: TROPALIS ETE, Constructor: G. Didaskalou, March, 2002
18. Construction of boreholes in the area of Thermal Spring in Sidirokastro, EGNATIA ODOS highway, section: Thessaloniki-Serres-Promaxonas (60.3.4), May, 2002.
19. Construction of geotechnical boreholes along EGNATIA ODOS highway, section: Komotini - Greece-Bulgarian borders (GO-##, GE-##), May-June, 2002
20. Crosswell seismic tomography survey prior the construction of the new stock market of Athens, Constructor: GEOMIXANIKI S.A., July-August 2002
21. Geological, geotechnical and detailed geophysical survey prior the construction of the protected building of general Air force/staff, CARS in Larisa region, Constructor: GEOMIXANIKI S.A., September 2002.

PROFESSIONAL SERVICE:

Review and Editorial Responsibilities

Since now, I have served as reviewer in: Journal of Hydrology (Elsevier), Hydrogeology Journal (Springer), Advances in Geosciences-EGS, Environmental Geology (Springer), Engineering Geology (Elsevier), Landslides (Springer), Journal of Balkan Geophysical Society, Computers and Geosciences

(Elsevier), Annals of Geophysics, Journal of Geophysics and Engineering (IoP), WSEAS Proceedings, International Journal of Environment and Waste Management, International Journal of Environmental Studies (IJES), Geophysical Prospecting (Wiley-Blackwell - EAGE), Surveys in Geophysics (Springer), SENSORS, Hydrological Processes (John Wiley & Sons), Landscape and Urban Planning (Elsevier), Near Surface Geophysics (EAGE), Studia Geophysica et Geodaetica, International Journal of Geophysics, ESRJ-Earth Sciences Research Journal, GEOPHYSICS (SEG), Arabian Journal for Science and Engineering, Geophysical Journal International.

- **Membership of the editorial board** (Geophysics section) of the Dataset Papers in Geosciences journal.
- **Membership of the editorial board** of Open Petroleum Engineering Journal.
- **Guest editor** of the special issues: Electrical Imaging for Geohazard and Environmental Monitoring, International Journal of Geophysics (October 2011).
- **Guest editor** of the special issue: Subsurface Contamination Monitoring, SEG Interpretation Journal (March 2015)
- **Lead Guest Editor** of the invited special issue: Integrated Approaches to Soil Contamination Monitoring, Applied and Environmental Soil Science, Hindawi (Nov. 2015).

Chair appointments

- **Co-chairman**, 2nd IASME / WSEAS Int.Conf. on WATER RESOURCES, HYDRAULICS & HYDROLOGY (WHH'07), Portoroz (Portorose), Slovenia, May 15-17, 2007 , SESSION: Mapping hydrogeological features: Integrated Geophysics and Hydrogeology

Convener/Organizer

MEETINGS/WORKSHOPS

- 29 Sept. - 03 Oct. 2011: **Scientific committee** of the 1 st International Workshop: METHODS AND TECHNOLOGIES FOR ENVIRONMENTAL MONITORING AND MODELLING: LANDSLIDES AND GROUND WATER DYNAMICS, Invited speaker: Hydrogeological and geophysical study on some large karstic aquifers in Crete Island.
- 05-08 Oct. 2015: **Local Organizing Committee** of the 8th Congress of the Balkan Geophysical Society

Short courses

- **Instructor**: 17 February 2014: Use of seismic and electromagnetic geophysical methods to archaeological prospection, RESTeCH I (REmote Sensing Technologies in Cultural Heritage) Workshop, Rethymon-Crete, Invited Lecture.
- **Instructor**: 02-03 May 2012: Invited professor to University of Basilicata in Italy to the postgraduate course ProIDRO II, UNIBAS, entitled: Application of innovative geophysical methods in hydro geological hazards and risk assessments).
- **Instructor**: 21-29 September 2012: Invited tutor to the postgraduate course RESTAR (REmote Sensing Techniques in Archaeological Research – Basic Theory and Software Application). Organized by Laboratory of Geophysical - Satellite Remote Sensing & Archaeo-environment of the Institute for Mediterranean Studies (I.M.S.) / Foundation of Research & Technology (F.O.R.T.H.). Tutors: Dr. Dean Goodman, Dr. N. Papadopoulos, Dr. P. Soupios, Dr. A. Sarris, Dr. D. Alexakis, Dr. Gianluca Cantoro and Mr. A. Agapiou.

- **Instructor:** 9 - 10 February 2012: Tutor on Water Management course provided by the National Centre for Public Administration and Local Government (E.K.D.D.A.) (Thessaloniki, N. Greece)
- **Instructor:** 1 - 3 October 2012: on Water Management course provided by the National Centre for Public Administration and Local Government (E.K.D.D.A.) (Thessaloniki, N. Greece)
- **Instructor:** 02-08 April 2011: postgraduate course ProIDRO, UNIBAS, University of Basilicata, Potenza, ITALY in the subject of: Application of innovative geophysical methods in hydrogeological hazards and risk assessments.

INVITED TALKS

- **September 5, 2016:** Engineering Geophysics Methods for a Reliable Evaluation of the in Situ Expected Seismic Acceleration (research talk), University of Basilicata, Potenza, Italy.
- **September 5, 2016:** Experimental Campaign Carried Out in Chania for Determining the in Situ Seismic Effects (research talk), University of Basilicata, Potenza, Italy.
- **September 6, 2016:** Recent trends in Hydrogeophysics and in Environmental Geophysics (research talk), University of Basilicata, Potenza, Italy.
- **September 8, 2016:** Environmental Geophysics and Monitoring (research talk), University of Naples – Federico II, Naples, Italy.
- **August 23, 2016:** Environmental Geophysics and Monitoring (research talk), KFUPM, Saudi Arabia
- **August 12, 2016:** Application of field and laboratory scale geophysical methods for solving environmental and hydrogeological problems (research talk), Aarhus University, HydroGeophysics Group, Denmark.
- **June 25, 2014:** Application of field and laboratory scale geophysical methods for solving environmental and engineering problems (research talk), University Leoben, Department Applied Geological Sciences and Geophysics
- **June 26, 2014:** The application of refraction seismic in Hydrogeology, (student talk), University Leoben, Department Applied Geological Sciences and Geophysics Student talk,
- **March 26, 2014:** Application of geophysical methods in environmental and geotechnical problems, Rutgers University, USA.
- **November 25, 2011:** Field and laboratory scale research in groundwater systems by using hydrogeophysical methods. Invited speaker at Institute of Geophysics, University of Stuttgart, Germany.

INTERNATIONAL RESEARCH COOPERATION

I have established research cooperation with several countries/universities/institutes as shown below,

1. **GREECE** (Technological Educational Institute of Crete, Technical University of Crete, Aristotle University of Thessaloniki, Institute of Geology and Mineral Exploration, Institute of Engineering Seismology and Earthquake Engineering, Dimokriteio University of Thrace, University of Patras, Institute for Mediterranean Studies (I.M.S.), University of Athens, National Technical University-NTUA of Athens),
2. **ITALY** (Institute of Methodologies for Environmental Analysis, University of Basilicata, Politecnico di Bari, University of Naples),
3. **FINLAND** (Oulu University),
4. **UK** (Brunel University, University of Portsmouth),
5. **TURKEY** (Ankara University, Istanbul Technical University),
6. **INDIA** (Indian Institute of Technology Roorkee),

7. **GERMANY** (University of Koln, University of Gottingen, Greifswald University),
8. **RUSSIA** (Russian Academy of Science),
9. **FRANCE** (University of Avignon),
10. **USA** (Rutgers University, Harvard University, City University of New York),
11. **PORTUGAL** (Universidade de Lisboa),
12. **SWEDEN** (Uppsala Universitet, Swedish Geological Survey),
13. **KOREA** (Korean Institute of Geosciences and Mineral Resources-KIGAM),
14. **CANADA** (University of Western Ontario).

RESEARCH VISITS

- **December 03-10, 2016:** In the framework of ERASMUS, I visited, the Università degli studi di Napoli - Federico II, ITALY and the Università degli studi della Basilicata - ITALY.
- **04 March - 30 March 2014:** Research visit to Rutgers University (Prof. Lee Slater and Ass. Prof. Dimitrios Ntarlagiannis) in NJ, USA in the framework of THALIS (MIS 380207) project in the field of BioGeophysics and Spectral Induced Polarization (SIP) method.
- **April 2011:** In the framework of ERASMUS, I visited, the Università degli studi della Basilicata - ITALY.
- **Jan-June 2009:** 6 months as visiting professor at Ankara University in TURKEY, Faculty of Engineering, Dept. of Geophysical Engineering. During my stay in Ankara I have participated in the following project/fieldwork taken place on 15-19 May 2009, ILGAZ fieldwork (ERT, SP, SASW, MASW, ReMi, VES, Refraction), 5-9 June. Geological fieldtrip with MTA (Institute of Geological Survey of Turkey) in Silihli (Ancient Sardes).
- **December 2008:** In the framework of ERASMUS, I visited, the Università degli studi di Napoli - Federico II, ITALY and the Università degli studi della Basilicata - ITALY.
- **August 1998:** Participation in the IISS2 School entitled: Computational Inversion Insight and Algorithms, in DENMARK Technical University (Per Christian Hansen, Arnold Neumaier, Bo Holm Jacobsen and Klaus Mosegaard).
- **Oct. 1997 - July 1998:** Department of Earth Sciences, Uppsala University - SWEDEN (supervised by C. Juhlin).

TEACHING EXPERIENCE

Courses taught in the past,

1. Analysis of GeoEnvironmental Data (Theory, 2 hours/week - h/w) and was taught between 2002-2009 (winter semester). My teaching materials/notes based on the following publications,
 - Middleton, G., 2000, Data Analysis in the Earth Sciences Using Matlab, Prentice Hall.
 - Helsel, D.R. and Hirsch, R.M., 2002, Statistical Methods in Water Resources, USGS Publications.
 - Riggs, H.C., 1977, Some Statistical Tools in Hydrology, USGS Publications.
2. Geothermy (Theory, 2hours/week), was taught between 2002-2009 (spring semester) and cover the basic geological characteristics of a geothermal field, borehole technologies, well logging, production and final usage.

Current teaching activities,

1. Groundwater Hydrogeology (T-L, 2h/w – 4h/w) from 2002 till now, covering the principles of groundwater, aquifers, water flow, chemistry, quality and field methods (geophysical investigation and well logging) used.
2. Hydrogeophysics and Applied Techniques of Water Resources Investigations (Theory – Laboratory, 2h/w – 4h/w) from 2002 till now. The course covers all the geophysical (surface, borehole and special arrays) methods applied for water detection and contaminants (groundwater degradation) monitoring. My teaching materials/notes based on the following publications,
 - Scott Keys, 1990, Borehole Geophysics Applied to Ground Water Investigations, USGS, Book 2 Collection of Environmental Data
 - Acworth I, 2001, Electrical Methods in Groundwater Studies, UNSW Groundwater Centre, University of New South Wales, Course Notes - CVEN7810
 - Acworth I, 2000, Geophysical Techniques in Groundwater Studies, UNSW Groundwater Centre, University of New South Wales, Course Notes - CVEN7809
 - Acworth I, 2000, Investigation on Groundwater Resources, UNSW Groundwater Centre, University of New South Wales, Course Notes - CVEN7808
 - Zohdy AAR, Eaton, GP and Mabey DR, 1990, Application of surface geophysics to ground-water investigations, USGS, Chapter D1-Techniques of Water-Resources Investigations of the USGS, Book 2 Collection of Environmental Data.
 - Haeni FP 1988, Application of Seismic Refraction techniques to Hydrologic studies, Chapter D2-Techniques of Water-Resources Investigations of the USGS, Book 2 Collection of Environmental Data.
3. Drilling operations (Theory – Laboratory, 2h/w – 2h/w), from 2002 till now, covering the different types of boreholes construction, in situ methods applied in wells, advantages and limitations of boreholes use for geotechnical/engineering aspects, oil and gas production and groundwater survey.
4. HydroMeteorology – Climatology (Theory – Laboratory, 2h/w – 4h/w), from 2011 till now. This course covers the principles of HydroMeteorology.

Postgraduate courses

- Sept. 2014 - now: MSc course in Geoenvironmental Resources and Risks, TEI Crete (<http://georr.chania.teicrete.gr/>),
Tutor on Groundwater Resources and Hydrogeological / HydroGeophysical Hazard.
Tutor on Applied Geophysics and Environmental Applications
- Sept. 2014 - now: MSc course in Energy Systems,
Tutor on Geothermic and drilling techniques.
- Feb. - June 2016: MSc course in Petroleum Engineering (Technical University of Crete), (<http://www.peteng-master.tuc.gr/3807.html>)
Tutor on Seismic Imaging and Well Logging

Textbooks

- Applied Hydrogeology, Laboratory Notes (Theory and Exercises) (in greek).
- Hydrogeophysics and Investigations of Groundwater Resources - Theory and Laboratory Notes (Theory and Exercises) (in greek).

Software Development

Two (2) software packages,

1. Non-Linear Inversion of Seismic Data for the 3D Determination of Reflector Geometry and Velocity Structure
(<http://soupios.chania.teicrete.gr/reflect+refract.rar>)

2. Hybrid genetic algorithm in Seismic tomography, is freely available for research or educational purposes
(<http://soupios.chania.teicrete.gr/genetic/HybridGeneticSeismicTomography.rar>)

ADMINISTRATIVE DUTIES

- Chair (for 2 years, 2013, 2014) and vice-Chair (2014 till now) of Department of Environmental and Natural Resources Engineering
- Vice-Dean of School of Applied Sciences for 2 years (2013, 2014)
- Academic advisor for undergraduate students
- Signed ERASMUS/SOCRATES agreements with,
 - University of Basilicata, Italy (we have signed MoU)
 - University of Naples, Italy (we have signed MoU)
 - University of Lisboa, Portugal
 - Ankara University, Turkey
 - Istanbul Technical University, Turkey
 - University of Avignon, France
- Director of the Sector of Water Resources and GeoEnvironment of Dept. Natural Resources and Environment, Technological Educational Institute of Crete (2005-2009)
- Member of the Board of Directors, Technological Educational Institute of Crete (2003-2009)
- Member of the committee for the evaluation of research and education of Department of Natural Resources and Environment of TEI Crete.