

PERSONAL INFORMATION

Konstantinos Papatheodorou



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 🌐 http://civilgeo.teicm.gr/index.php?cat_id=62
 💬 **Skype used ID: constant.pap1, VIBER**

Sex Mail | Date of birth 17/10/1959 | Nationality Hellenic (Greek)

POSITION

Professor of Applied Geology & Geoinformatics, Civil Engineering and Surveying & Geoinformatics Engineering Department, Technological Educational institute of Central Macedonia, Hellas

WORK EXPERIENCE

Type of Business of Sector

Academic - Research

- 2004-2016 Staff member (currently Professor of Applied Geology & Geoinformatics) at the Technological Educational Institute of Central Macedonia, Hellas. Teaching Engineering Geology, Remote Sensing Principles & Applications (2 courses), Geographic Information Systems and Contemporary Visualization Methods.
- 1990-2015 Research Expert and/or Coordinator in numerous (46) Research projects. Involvement in project coordination and management; in applied geology (including civil engineering; disaster prevention and management; groundwater exploration, protection and management); in Remote Sensing and GIS and in information technologies (mainly database and web systems development).
- 1986-2004 Freelance Geologist (Applied Geology & Geoinformatics)
 Twenty nine (29) professional surveys including Engineering Geological, hydrogeological, geophysical surveys applied in Civil Engineering and in the management and protection of natural resources and especially groundwater.
- 1997-2005 Holder of a C' class Designer's Degree (the highest class awarded to a physical person by the Hellenic Ministry of Public Works).
 Resigned the Degree as staff member of Serres TEI (2005). [3]

EDUCATION AND TRAINING

- 1977 Highschool graduate
- 1977-1981 Student of the Department of Geology, Aristotle University of Thessaloniki (AUTH), under scholarships for the entire period [1]

- 1985-1990 Special Graduate Scholarship, PhD candidate Civil Engineering Department, AUTH
- 1991 PhD in Engineering Geology, Civil Engineering Department, AUTH (grade “excellent”) [2]
- 1998 Proficiency in English, Michigan University [4]

PERSONAL SKILLS

Mother tongue(s) Greek

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Replace with name of language certificate. Enter level if known.					

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Excellent communication skills acquired through Coordinating International Research projects, cooperation with foreign scientists, presentations of scientific work in conferences.

Organisational / managerial skills Leadership and Administration. Served as Head of the Geomatics & Surveying Department for five years (three terms), Head of the “Geographical Information Systems” sector of the Center of Technological research at Serres (Greece), member of various administrative Committees including the Research Committee (managing the Special Account for Research Funds), graduate and Post graduate Degree administrative committees. Project Coordination and Management of the “SciNetNatHaz” project (EU funded and awarded as “Best Practice Project”, with seven partners from six different countries and more than 80 scientists involved) and many smaller projects. Proposals preparation and submission as Grand Applicant/Coordinator, involving as many as 17 partners (Horizon 2020, BSB JOP 2007-13).

Job-related skills-Educational Teaching experience of more than fifteen years in graduate (more than eight courses) and post graduate (three) courses in four different higher education Institutions. Various lectures in numerous other cases (summer schools, lifelong learning etc). As Dissertation advisor supervised more than 80 undergraduate, 10 post graduate and participated as member of the supervisory board in three PhDs.

Job-related skills-Professional Applied Geology, geologic mapping, remote sensing applications, natural disaster prevention and management, groundwater exploration, management and protection, applied geophysical exploration (especially GPR mapping and refraction seismics). Skills acquired through more than 20 years of professional work (29 professional surveys, 39 applied research projects) and scientific research (various publications). Project Management and coordination in competitive international research projects.

Computer skills	Excellent computer skills, including “office” applications (Word, Excel, Powerpoint etc), “design” (Adobe Illustrator, ACD Canvas GIS, Corel Draw) applications as well as specialized geologic, Remote Sensing and GIS software including both commercial (ENVI, ArcGIS) and Open Source software (GRASS GIS, QGIS, Multispec etc).
Driving licence	B

 ADDITIONAL INFORMATION

Research Work

A brief overview	PhD theses and monographs:	2
	Publications in peer reviewed scientific journals :	12
	Presentations in International Conferences:	33
	Presentations in National (Hellenic) Conferences:	10
	Other:	2
	Books/Teaching Notes:	4

Theses and Monographs

- Papatheodorou K. (1991): Contribution to the study of expanding volcanic rocks. PhD thesis, Engineering Geology laboratory, Civil Engineering Department, Aristotle University of Thessaloniki. [28]
- Papatheodorou K. (2007): Ground surveying with Ground Penetrating radar: the SIR300 system, GSSI. Geomatics and Surveying Department, TEI of Serres, ISBN 978 960 88247-9-9 [29]

Publications in peer reviewed Scientific Journals

- 2015 C. Maftai and **K. Papatheodorou** (2015): Flash Flood prone area Assessment using Geomorphological and Hydraulic Models. Journal of Environmental Protection and Ecology (JEPE), Vol. 16, No.1 (2015). (<http://www.jepe-journal.info/home/vol-16-no-1-2015>) [41]
- 2014 K. Evangelidis, K. Ntouros, **K. Papatheodorou**, A. Konstantinidis, K. Perakis (2014): Geoclouds for Environmental Management, Journal of Environmental Protection and Ecology (JEPE), Vol. 15, No.2 (2014). [40]
- 2014 **K. Papatheodorou**, N. Klimis, B. Margaris, K. Ntouros, K. Evangelidis, A. Konstantinidis (2014): “An Overview of the EU Actions towards Natural Hazard Prevention and Management: Current Status and Future Trends”, Journal of Environmental Protection and Ecology (JEPE), Vol. 15, No.2 (2014). [39]
- 2014 **Papatheodorou, K.**, & Evangelidis, K., "Protecting and preserving ground water with monitoring systems and vulnerability maps." (2014): In A. Vaseashta, P. Susmann & E. Braman (Eds.), “Cyber Security and Resiliency Policy Framework: NATO Science for Peace and Security Series - D: Information and Communication Security” - Vol. 38 (pp. 135-145). Netherlands: IOS Pres. DOI: 10.3233/978-1-61499-446-6-135, 2014. [38]
- 2013 Konstantinos Evangelidis, Konstantinos Ntouros, Stathis Makridis and **Constantine Papatheodorou** (2013): “Geospatial Services in the Cloud”, Computers and Geosciences, v.63, Feb. 2014, pp. 116-122, Elsevier, 2013 [37]

- 2011 Charidimos Pappas, **Konstantinos Papatheodorou**, Ioannis Fountoulis (2011): Flood Hazard assessment in the city of Serres (Greece) using morphometric and hydraulic models. *Choro-graphies*, Vol. 2, Nr.2, pp. 89-97, 2011. [36]
- 2011 Filippidis E. and **Papatheodorou K.** (2011): "Forest ecosystem data management through WebGIS with application in Elatia forest, Greece". *Fresenius Environ. Bull.* ISSN: 1018-4619 [35]
- 2010 **K. Papatheodorou**, N. Veranis and N. Patsiaros (2010): Groundwater vulnerability in the Iain of Emathia prefecture. An implementation of the DRASTIC methodology. *Choro-graphies*, Vol. 1, Nr.1, pp. 17-24, Serres, 2010, ISSN: 1792-3913. [34]
- 2008 **Papatheodorou K.**, Evangelidis K., Symeonidis P. and Kaskalis T. (2008): "Applying Dynamic Segmentation and Linear Referencing Systems over the Web", *International Journal of Geoinformatics*, Vol.4, No3, pp. 1-8, Sept. 2008. [33]
- 1993 **Papatheodorou K.**, Meladiotis I. (1993): A method for perlite quality assessment for producing expanded perlite. *Mining & Metallurgical Chronicles*, Jan-March 1993, Vol.3, Issue 1, pp. 27-38. [32]
- Meladiotis I, **Papatheodorou K.** and Bakassis E. (1993): A proposed technique for locating brakish water aquifers during the first drilling stages in Thessaloniki plain. *Mineral Wealth*, No83, March-April 1993, pp. 51-58. [31]
- 1992 T. Ericsson, **K. Papatheodorou**, S. Skavounos and A. Filippidis (1992): "Oxidation state of Biotite from heated perlite samples from Chivadolimni deposits in Milos Island, Greece", *Neue Jahres Mineralbaum*, Jg. 1992, H.1, pp. 1-12 [30]

Presentations in International Conferences (peer reviewed)

- 1994 Meladiotis I., **Papatheodorou K.** and Popa I. (1994): Distribution in time and space of the Chloride ion concentration in the exploitable aquifers in the eastern part of the Plain of Thessaloniki (Greece). (Proceedings of the International Hydrogeological Symposium "Impact of Industrial Activities on Groundwater, Constanta, Romania, pp.617-632). [42]
- 1994 Meladiotis. I., **Papatheodorou K.** and Ion D. (1994): Identification, dimensioning and detemination of the geometry of subsurface discontinuities in rocks by Radar profiling. (International Symposium "Geological Engineering and Environment Protection", Bucharest, Romania, pp. 193-205). [43]
- 2007 **C. Papatheodorou**, N. Klimis, Pr. Moutsokapas, S. Koutrakis and B. Margaris (2007): Geotechnical Earthquake hazard assessment based on a GIS platform. 4th International Conference on Earthquake Geotechnical Engineering, June 25-28 2007, Thessaloniki, Greece. (Accepted paper No.1441) [44]
- 2008 **Papatheodorou C.**, Konstantinidis A and Mouratidis E. (2008): Combining Geographical Information Systems and Geo-Engineering Education. Practical aspects and lessons learned at TEI of Serres (Greece). First International Conference on Education and Training in Geosciences. Soil Mechanics and Geotechnical Engineering, Rock Engineering Engineering Geology. Taylor & Francis, Balkema Pub. [45]
- 2008 **Papatheodorou C.**, Papazisi A. (2008): Engineering Geological Education at TEI Practical aspects from Civil Engineering Department at TEI of Serres (Greece). First International Conference on Education and Training in Geosciences. Soil Mechanics and Geotechnical Engineering, Rock Engineering Engineering Geology. Taylor & Francis, Balkema Pub. [46]
- 2008 **Papatheodorou C.**, Konstantinidis A., Perakis. K. (2008): Remote sensing in Higher Education. Practical aspects and lessons learned from Geomatics & Surveying Dept. at Serres Technological Education Institution. 28th EARSeL Symposium. Istanbul/Turkey 2-7 June 2008. [47]

- 2008 **Papatheodorou K.**, Evangelidis K. (2008): GroundWater Information System. A digital tool for groundwater resources protection and management. 4rth International Environmental Conference “Life quality and capacity building in the frame of a safe Environment”, Balkan Environmental Association, Katerini, Greece. [48]
- 2010 **Papatheodorou C.** (2010): GroundWater flow paths delineation using Remote Sensing techniques and GIS. 30th EARSEL Symposium, Remote Sensing for Science, Education, Natural and Cultural Heritage, June 2010, Paris, France. [49]
- 2010 **Papatheodorou C** (2010): Δορυφορική Τεχνολογία και Γεωγραφικά Συστήματα Πληροφοριών στην προστασία και διαχείριση των Υπόγειων Νερών. (Παρουσίαση στα Αγγλικά). 1ο Διεθνές Συνέδριο στην Πράσινη Ανάπτυξη. 1st International Conference on Green Infrastructure “the New Generation of Green Infrastructure Projects”. Alexandrian Technological Institute of Thessaloniki, Thessaloniki, Greece, Nov. 2010. [50]
- 2012 **Konstantinos Papatheodorou**, Konstantinos Ntouros, Elias Grinias and Dimitrios Kotzinos (2012): Incorporating free/open source software in Remote Sensing Education. Pros and Cons from teaching Applications in Remote Sensing. 32nd EARSEL Symposium, “Advances in Geosciences”, Mykonos, Greece. [51]
- 2012 **Konstantinos Papatheodorou**, Dimitrios Theocharis and Ioannis Fountoulis (2012): A Remotely Sensed contribution to the Western Attica (Greece) tectonic Geology. 32nd EARSEL Symposium “Advances in Geosciences”, 4rth Workshop on Remote Sensing and Geology, Mykonos, Greece. [52]
- 2012 **Konstantinos Papatheodorou**, Nikolaos Veranis and Konstantinos Evangelidis (2012): «Remote Sensing and Geomatics technologies to support Ground Water sustainability». The Balkan Environmental International Conference in Istanbul, 21-23 June 2012. [53]
- 2012 Konstantinos Ntouros & **Konstantinos Papatheodorou** (2012): «Advances in field GIS – A Cloud GI System». The Balkan Environmental International Conference in Istanbul, 21-23 June 2012. [54]
- 2012 **Konstantinos Papatheodorou** and Nikolaos Veranis (2012): «Groundwater pollution risk assessment to support decision making regarding Land Use Planning», 2nd International Conference on Green Infrastructure “The New generation of Green Infrastructure Projects”, Alexandrian Technological Institute of Thessaloniki, Thessaloniki, November 2012. [55]
- 2013 **Papatheodorou, K.** (2013): Protecting and preserving ground water with monitoring systems and vulnerability maps."Best practices and Innovative Approaches to Develop Cyber Security and Resiliency Policy Framework”, NATO advanced Research Workshop, Ohrid, FYROM, June 10-12, 2013. [56]
- 2013 **K. Papatheodorou**, L. Tofan, G. Stanciu, D.T. Epure, Z. Prefac, M. Lungu, I. Moise, L. Panaitescu, M. Arpentii, B. Trantafyrescu, M. Golumbeanu, C. Constantin, T.J. Erlinger (2013): A Scientific Network for the Prevention of Environmental Hazards in the Black Sea Basin. Improving Governance, Management and Building Capacities. International Conference “Marine Research Horizon 2020 – MARES 2020, 17-20 Sept. 2013, Varna, Bulgaria. [57]
- 2014 **Papatheodorou Konstantinos**, Klimis Nikolaos, Ntouros Konstantinos, Evangelidis Konstantinos, Konstantinidis Alexandros (2014): “Natural hazard Prevention and Management in the wider Black Sea area: The SciNetNatHaz Project”, International Conference AQUALIRES 2014 “New tools for sustainable management of aquatic resources” Special Session for Natural hazards, Conference Proceedings, Bucharest Jan. 2014. [58]

- 2014 Evangelidis Konstantinos, Ntouros Konstantinos, **Papatheodorou Konstantinos**, Konstantinidis Alexandros (2014): “GeoClouds for Environmental Management”, International Conference AQUALIRES 2014 “New tools for sustainable management of aquatic resources”, Conference Proceedings, Bucharest Jan. 2014. [59]
- 2014 **Konstantinos A. Papatheodorou**, Eleni A. Tzanou, Konstantinos D. Ntouros (2014): Flood Hazard prevention using Morphometric and Hydraulic models. An example implementation. Green Infrastructure and Sustainable Societies (GreInSus) International Conference, May 2014, Izmir,, Turkey. [60]
- 2014 H. Aksoy, V.S.O. Kirca, **K. Papatheodorou** (2014): Flood Hazard Assessment and Modelling Practices in Turkey. Proceedings of the Mediterranean Meeting on “ Monitoring, modelling and early warning of extreme events triggered by heavy rainfalls ” . PON 01_01503 - MED-FRIEND project, University of Calabria, Cosenza (Italy), June 26th-28th, 2014 [61]
- 2014 **Konstantinos Papatheodorou**, Konstantinos Evangelidis, Konstantinos D. Ntouros (2014): Applied Research for protection and management of Groundwater resources using contemporary technologies. 1st International Medical Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania. This paper was awarded as the 3rd best oral presentation of the Conference [62]
- 2014 Carmen Maftai, **Konstantinos Papatheodorou** (2014): Mapping the Flash Flood prone area in the Taita river watershed (Romania) using Topographic Indexes and Hydraulic Models. Second International Conference on Natural and Anthropogenic Riisks ICNAR 2014, 04-07 June 2014, Bacau Romania. [63]
- 2015 **Papatheodorou Konstantinos**, Tzanou Elena, Maftai Carmen, Kirca Ozgur and Aksoy Hafzullah (2015): Towards flash flood disaster prevention: the SciNetNat Haz proposal. Geophysical Research Abstracts, Vol. 17, EGU2015-15176, 2015, EGU General Assembly 2015. [64]
- 2015 **Papatheodorou Konstantinos**, Tzanou Elena, Maftai Carmen, Kirca Ozgur and Aksoy Hafzullah (2015): Earthquake, Landslide and Flood disaster prevention: The SciNetNatHaz Project. International Conference “Frontiers in Environmental Management 2015”, Kavala, Greece, March 2015. [65]
- 2015 **Konstantinos Papatheodorou**, Konstantinos Evangelidis, Konstantinos Ntouros (2015): An Integrated approach to promote GroundWater Sustainability. International Conference “Frontiers in Environmental Management 2015”, Kavala, Greece, March 2015. [66]
- 2015 V.S. Ozgur Kirca, Hafzullah Aksoy, **Konstantinos Papatheodorou** & Katia Stepanova, (2014): "LEGISLATIVE ASPECTS OF FLOOD HAZARD PREVENTION AND RESILIENCE IN NON EU MEMBER EUROPEAN COUNTRIES", 9th World Congress of EWRA “Water Resources Management in a Changing World: Challenges and Opportunities” Istanbul, Turkey, 24th-27th June 2015, 2015. [67]
- 2016 **Konstantinos Papatheodorou**, E. Tzanou, C. Maftai, O. Kirca, H. Aksoy, K. Ntouros (2016): Harmonized Flood Hazard & Risk Assessment. 3rd International Conference “Water across Time in Engineering Research”, Conference proceedings and Ovidius University Annals Series: Civil Engineering, Issue 18, October 2016.
- 2016 **Konstantinos Papatheodorou**, Nikolaos Veranis (2016): Geomatics Technologies for Ground Water Prospecting in Hard Rocks. 3rd International Conference “Water across Time in Engineering Research”, Conference proceedings and Ovidius University Annals Series: Civil Engineering, Issue 16, October 2016.

- 2016 Konstantinos Evangelidis, **Konstantinos Papatheodorou** and Anastasios Agrianidis (2016): Geospatial data dissemination in geographically specific EU Operational Programmes. 3rd International Conference “Water across Time in Engineering Research”, Conference proceedings and Ovidius University Annals Series: Civil Engineering, Issue 18, October 2016.
- 2016 N. S. Klimis, **K. A. Papatheodorou** and B. N. Margaritis (2016): Landslide Hazard Assessment in Regional Scale: Implementation and Reliability. 3rd International Conference “Water across Time in Engineering Research”, Conference proceedings and Ovidius University Annals Series: Civil Engineering, Issue 18, October 2016.
- 2016 **Konstantinos Papatheodorou**, Konstantinos Evangelidis, Konstantinos Ntouros (2016): Geomatics for Environmental Protection & Resource Management. 6th Int. Conference entitled: “Protection of Natural Resources and Environmental Management: The main Tools for Sustainability”, November 2016, Bucharest, Romania.
- 2016 Konstantinos Evangelidis, Theofilos Papadopoulos, Konstantinos Papatheodorou and Panagiotis Papaioannou (2016). Combining WEB - GEO Services for Mobility Smart Applications. European Conference on Mobility Management, ECOMM 2016, June 1-3 2016, Athens GREECE
- 2016 Konstantinos Evangelidis, Konstantinos Papatheodorou and Anastasios Agrianidis, (2016). Geospatial data dissemination in geographically specific EU Operational Programmes. 3rd International Conference, Water Across Time in Engineering Research, WATER 2016, June 23
- 2013 **Poster Sessions**
 Nikolaos Klimis, **Konstantinos Papatheodorou**, Prodromos Moutsokapas, Basil Margaritis (2013): “Landslide hazard assessment using GIS: evaluation of empirical prediction and implementation” International Conference on Earthquake Geotechnical Engineering, from Case Histories to Practice; In the Honor of Prof. Kenji Ishihara, 17-19 June 2013, Istanbul, Turkey. (*Only Invited Lecturers presented orally*). [68]
- Chapters in Books**
- 2015 C. Maftai, K. Papatheodorou (2015): Mathematical Models used for Hydrological Floodplain Modeling” in ‘Extreme Weather and Impacts of Climate Change on Water Resources in the Dobrogea region’. IGI Global International Publisher of Progressive Academic Research, Pennsylvania, USA. [69]
- Presentations in National (Hellenic) Conferences (peer reviewed)**
- 2016 Νίκος Σ. Κλήμης, **Κωνσταντίνος Παπαθεοδώρου**, Ελένη Πεταλά, Εμμανουήλ Ψαρουδάκης (2016): ΚΑΘΟΡΙΣΜΟΣ ΚΑΤΟΛΙΣΘΗΤΙΚΗΣ ΕΠΙΚΙΝΔΥΝΟΤΗΤΑΣ ΣΕ ΠΕΡΙΦΕΡΕΙΑΚΗ ΚΛΙΜΑΚΑ: ΑΞΙΟΠΙΣΤΙΑ ΚΑΙ ΧΡΗΣΙΜΟΤΗΤΑ. Πρακτικά συνεδρίου «SafeEvros 2016: Οι νέες τεχνολογίες στην υπηρεσία της Πολιτικής Προστασίας»
- 2015 Tsiamis A. **Papatheodorou K** and Perakis K. (2015): Geologic indices in locating mineral resources. Fourth Hellenic Conference of Planning and Regional Development, September 24-27, University of Thessaly, Volos, Greece (<http://conferenceprd4.prd.uth.gr>) [77]
- 2014 Ntouros Konstantinos, Konstantinidis Alexandros, **Papatheodorou Konstantinos**, Evangelidis Konstantinos (2014): Natural resources management using GI “Cloud Computing” Systems (CloudGIS). Proceedings of the 8th Hellenic Conference HellasGIs, 11-12 December 2014, Athens. [101]

- 2012 **Papatheodorou Konstantinos**, Ntoulos Konstantinos, Grinias Elias and Kotzinos Demetrios (2012): Integrating Open Source software and Geomatics teaching experience into higher education. Potential and possibilities. 7th 7o Hellenic Conference HellasGIs, May 2012, Athens. [76]
- 2011 **Papatheodorou C.** and Peristeri A. (2011): Exploratory geophysical research using Ground Penetrating Radar in Kastis Tomb, Amfipoli, Greece. ΚΔ' (24th) Scientific meeting "Archaeological research in Macedonia and Thrace", March 2011, Aristotle University of Thessaloniki & Ministry of Culture & Tourism, Thessaloniki, Greece. [75]
- 2010 Moutsokapas P., **Papatheodorou C.**, Margaris V and Klimis N. (2010): Landslide hazard pre-estimation methods using Geographic Information Systems: method evaluation and implementation in Magnissia prefecture, Greece. 6th Hellenic Conference on Geotechnical & Geoenvironmental Engineering, Volos, Greece. [74]
- 2006 A. Konstantinidis, K. Evangelidis, K. Papatheodorou, M. Proffylidou, D. Ramnalis (2006): Urban development and mass transport networks: Η Περίπτωση της Περαίας (9th National Conference on Cartography «Network Cartography and Cartography through networks»). [73]
- 2006 E. Stefanidou, K. Evangelidis, A. Konstantinidis K. Papatheodorou (2006): GIS in Mapping traffic noise on parts of city road network (9th National Conference on Cartography «Network Cartography and Cartography through networks»). [72]
- 2006 K. Papatheodorou, P. Moutsokapas, N. Klimis, V. Margaris (2006): Geotechnical Hazard maps for road networks. An application in the island of Lefkada (Greece). (9th National Conference on Cartography «Network Cartography and Cartography through networks») [71]
- 1995 Mouratidis A. and Papatheodorou K. (1995): Geoseismic method for geotechnical reconnaissance. (1st National Conference on Road Construction, pp. 222-233). [70]

Other Publications/Books

- 1999 Papatheodorou K. (1999): Engineering Geology. Basic Theory and applications in building construction. Civil Engineering Dept. Serres TEI, Greece. [80]
- 2000 Papatheodorou K. (2000): Elements of Geology & Pedology. Geomatics & Surveying Dept., Serres TEI, Greece. [81]
- 2001 Papatheodorou K. (2001): Engineering Geology in Civil Engineering. University Publications. University of Thessaly, Civil Engineering Dept. [82]
- 2007 Papatheodorou K. (2007): Subsurface prospecting with Ground Penetrating Radar. Using the GSSI's SIR3000 system. Geomatics & Surveying Dept., Serres TEI, Greece, ISBN 978 960 88247-9-9. [29]
- 2012 Remote Sensing applications with Multispec©. A step by step approach. Serres, 2012. Free access from:
http://geo.teicm.gr/index.php?option=com_content&view=article&id=589%3Amultispec&catid=6&lang=el TEI of Central Macedonia and
<https://engineering.purdue.edu/~biehl/MultiSpec/tutorials.html> Purdue University (USA), (last seen: 15.05.2015). [83]

Recognition of the Scientific Work

- Forward** Recognition of the scientific work is evident by various indicators including Citations by other scientists, honorary positions as are the participation in Editorial Boards of Scientific Journals, the participation in Scientific Committees of International Conferences, invitations for cooperation by other Scientists, invitations for teaching in post graduate courses of other higher education Institutions, public press releases, ability to organize and implement competitive international research projects with well recognized Institutions as partners.
- Member of the Editorial Board of International Journals**
- 2008-2015 Editorial Board of the International Journal of Geoinformatics from 2008 up to date (<http://journals.sfu.ca/ijg/index.php/journal/index>) [96]
- Member of the Editorial Board of National Journals**
- 2010-2015 Editorial Board of the scientific Journal Choro-graphies, of the Civil Engineering and Surveying & Geoinformatics Engineering Department, TEI of Central Macedonia <http://www.teicm.gr/geoplir/ojs/index.php/Chorografies/about/editorialTeam>
- Member of the Scientific Committee of International Conferences**
- 2010 Member of the Scientific Committee of the 1st International Conference on “Green Infrastructure, Transportation and Networks”, November 2010, Thessaloniki, Greece. [89]
- 2012 Member of the Scientific Committee of the 2nd International Conference on “Green Infrastructure”, November 2012, Thessaloniki, Greece. [90]
- 2014 Member of the Scientific Committee of the International Medical Conference “Environment and Public Health- MED ENV 2014”, September 2014, Constanta, Romania. [91]
- President (Chairman) of the Scientific Committee of International Conferences**
- 3rd International Conference on “Water Across Time in Engineering Research”, June 2016, Constanta, Romania.
- Reviewer of International Journals**
- 2015 Hydrological Sciences Journal, Taylor & Francis, International Association of Hydrological Sciences (IAHS) <http://www.tandfonline.com/toc/thsj20/current>. (SCImago Water Science & Technology (Q1)) [85]
- Since 2008 International Journal of Geoinformatics (SCImago Earth & Planetary Sciences (Q3) and Geography, Planning and Development (Q3)) <http://journals.sfu.ca/ijg/index.php/journal/index> [86]
- Reviewer of National Journals**
- Since 2010 Scientific Journal “Choro-graphies” of the Civil Engineering and Surveying & Geoinformatics Engineering Department of TEI of Central Macedonia, <http://www.teicm.gr/geoplir/ojs/index.php/Chorografies>). ISSN: 1792-3913. [88]
- Since 2014 Scientific Journal “AeiChoros”, of the Department of Planning and Regional Development University of Thessaly, Greece) <http://www.aeihoros.gr/> [87]

Awards

- 2014 As Project Coordinator and Manager of the project called “A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention - SciNetNatHaz” which was awarded as a “Best practice” project by the Joint Managing Authority of the Black Sea basin JOP 2007-13 programme. [15]
- 2014 Third best oral presentation at the International Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania for the paper:
*Konstantinos A. Papatheodorou, Konstantinos Evangelidis, Konstantinos D. Ntouros (2014): Applied Research for protection and management of Groundwater resources using contemporary technologies. 1st International Medical Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania. [84]
- 1985-1990 PhD scholarship (“Special Graduate Scholarship”).
- 1977-1981 Graduate studies under scholarships throughout the entire period (four years)

Citations

1. T. Ericsson, **K. Papatheodorou**, S. Skavounos and A. Filippidis (1992): “Oxidation state of Biotite from heated perlite samples from Chivadolimni deposits in Milos Island, Greece”, Neue Jahres Mineralbaum, Jg. 1992, H.1, pp. 1-12 [30]
Is cited by:
 - 2002 i) Kiliias S.P., Naden J., Cheliotis I., Shepherd T.J., Constandinidou H., Crossing J. and Simos I. «Epithermal Gold Mineralization in the Active Aegean Volcanic Arc - The Profitis Ilias Deposit, Milos-Island, Greece» MINERALIUM DEPOSITA (Springer Verlag) 2001, Vol 36, Iss 1, pp 32-44. [14] (CITATION INDEX results 2002, equivalent to SCIENCE CITATION INDEX EXPANDED/ ISI, search period 1974-14/2/2002)
 - 2007 ii) E. Burzo (2007): True Micaceous Phyllosilicates, Landolt-Bornstein Volume 2715a, pp. 108-291, Springer Berlin Heidelberg 2007.
http://link.springer.com/chapter/10.1007/978-3-540-44748-1_6 (last seen: 29.05.2015)
2. C. Papatheodorou, N. Klimis, P. Moutsokapas, S. Koutrakis, B. Margaritis: Geotechnical Earthquake Hazard Assessment Based on GIS Platform. In: The 4th International Conference on Geotechnical Earthquake Engineering, Thessaloniki, Greece, No 1441, 2007.
 - 2010 i) Cited by: Alexoudi M., Papaliangas T, Manolopoulou S (2010). A Methodology for Landslide Risk Assessment and Management. Journal of Environmental Protection and Ecology 11, No 1, 317-326.
 3. Konstantinos Evangelidis, Konstantinos Ntouros, Stathis Makridis and Constantine Papatheodorou (2013): “Geospatial Services in the Cloud”, Computers and Geosciences, v.63, Feb. 2014, pp. 116-122, Elsevier.
Cited by:
 - 2015 i. Grinias, E., Atzemoglou, A., & Kotzinos, D. (2015). Design and Development of an OGC Web Processing Service as a Framework for Applying Ordinary Kriging in Groundwater Management. ΧΩΡΟ-ΓΡΑΦΙΕΣ, 4(1).

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- vi. German, J. (2014). Literature Review of Ecosystem Service Virtual Laboratories.
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- ix. Karnatak, H., Pandey, K., Oberai, K., Roy, A., Joshi, D., Singh, H. & Murthy, Y. K. (2014). GEOSPATIAL DATA SHARING, ONLINE SPATIAL ANALYSIS AND PROCESSING OF INDIAN BIODIVERSITY DATA IN INTERNET GIS DOMAIN-A CASE STUDY FOR RASTER BASED ONLINE GEO-PROCESSING. *International Archives of the Photogrammetry, Remote Sensing & Spatial Information Sciences*.

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- 4. Filippidis E. and Papatheodorou K. (2011): "Forest ecosystem data management through WebGIS with application in Elatia forest, Greece". *Fresenius Environ. Bull.* ISSN: 1018-4619.

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Aristeidis Georgakis (2013): Development of a WebGIS platform for the management and promotion of the Auth University forest at Taxiarchis (Chalkidiki, Greece). Master Thesis in Science, Planning and Development Division, Department of Forestry and Natural Environment, Aristotle University of Thessaloniki (AUTH).

- 2015 5. Papatheodorou C. (2010): GroundWater flow paths delineation using Remote Sensing techniques and GIS. 30th EARSEL Symposium, Remote Sensing for Science, Education, Natural and Cultural Heritage, June 2010, Paris, France.

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K. Perakis (2015): Remote Sensing in 13 sections: Theory, Methods and Applications. Publication within the context of project "Kallipos -Operational program, Education and Lifelong Learning".

- 2015 6. Konstantinos Papatheodorou, Dimitrios Theocharis and Ioannis Fountoulis (2012): A Remotely Sensed contribution to the Western Attica (Greece) tectonic Geology. 32nd EARSEL Symposium "Advances in Geosciences", 4th Workshop on Remote Sensing and Geology, Mykonos, Greece. [52]

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K. Perakis (2015): Remote Sensing in 13 sections: Theory, Methods and Applications. Publication within the context of project "Kallipos -Operational program, Education and Lifelong Learning".

Other honorary positions

- 2015 Co-convenor at the European Geosciences Union - EGU2015, EGU General Assembly, Vienna Austria, April 2015. Session: HS7.6 Climate and Environmental Change: Long Term Planning for Hydro-Engineering and Water Resources Infrastructure. [92]
- 2014 Chairman/Moderator at the International Conference MED ENV 2014, Sept. 2014, Constanta Romania [91]
Session Chairman/Moderator at the International Conference AQUALIRES 2014 "New tools for sustainable management of aquatic resources" Special Session for Natural hazards, Bucharest Romania, 2014. [93]
- 2012 Chairman/Moderator at the BENA 2012 Istanbul Conference (21-24 June 2012): Sustainable Landscape Planning and Safe Environment, Istanbul, Turkey 2012 [94]
- 2012 Session chairman/Moderator at the Scientific Committee of the 2nd International Conference on "Green Infrastructure", November 2012, Thessaloniki, Greece. [90]
- 2010 Session Chairman/Moderator at the Scientific Committee of the 1st International Conference on "Green Infrastructure, Transportation and Networks", November 2010, Thessaloniki, Greece. [89]

Public Press Releases (Mass Media, newspapers & electronic Press)

Google search (29.05.2015) presents 124.000 search results about my investigation in Amfipolis (Greece). Additionally, there are numerous press releases in newspapers and mass media. [95]

Capability to Organize and carry out Scientific Research

- Brief Comments** Participated in 47 Research Projects of which, 39 focused on applied research and eight (8) on Education. [11], [12], [13], [14], [105], [106]
- Recent Activities** Currently, the coordinator of the "SciNetNatHaz" project funded by the Black Sea Basin Joint Operational programme (BSB JOP) 2007-2013, with seven partners and more than 80 scientists coming from six different countries. The project was awarded as a "Best Practice" project by the Joint Managing Authority of the BSB JOP 2007-13 programme.

Recent Activities Submitted (as applicant/coordinator) the proposal “Agricultural GroundWater Management and Sustainability-GroWater” (H2020-WATER-2015-one stage, Topic: Water-4b-2015. Proposal Number: SEP-210268132) with seventeen partners and twelve associated Organizations coming from twelve different European countries. [100]

Research Interests Submitted (as applicant/coordinator) the proposal “Disaster Prevention and Management” (INTERREG IV 2014-20 Greece-FYROM) with six partners. The project focuses on building the operational capacity of Administration through Flood Hazard & Risk assessment towards prevention actions and through the development and installation of an integrated Earthquake strong motion Early Warning System.

Applied Geology in Civil Engineering (Engineering Geology)
 Applied Geology in natural resources management and protection (focused on groundwater)
 Natural Disaster Prevention and Management
 Environmental impact of Climatic change
 Remote Sensing
 Geographical information Systems: Development and applications
 Applied geophysics focused on Ground Penetrating radar (GPR) and refraction seismic
 Harmonization and Cross Border Cooperation policies

Involvement / Role **Research Experience (Participation in Research projects)** [11], [12], [13], [14], [105], [106]

External Expert. Applied Geology – Hydrogeology – Remote Sensing Groundwater aquifer research in Aravissos area for the water supply of the city of Thessaloniki (1990-1993)

External expert. Applied Geology – Hydrogeology & geophysics Research for investigation the pollution of exploitable aquifers of the plain of Thessaloniki-Giannitsa (1990-1993)

External expert. Applied Geology – Hydrogeology & geophysics Research for investigation the pollution from surface water, of the exploitable (Organization for the Water supply of Thessaloniki) aquifers of the Sindos-Kalochori area (1992-1993)

External expert. Applied Geology – Hydrogeology Investigation of the geothermal areas in Chalkidiki (1990-1993)

External expert. Geophysical Research responsible. Applied geophysics – GPR Investigation for locating and mapping buried antiquities in the archaeological site of Dion (1992)

External expert. Engineering geology Geologic-Geotechnical investigation of the main geologic formations in the Aristotle University of Thessaloniki area (1990)

External expert. Applied geology-Hydrogeology Mathematical Modeling of the hydrogeologic conditions in Mygdonia basin

External expert. Engineering geology & applied geophysics Geological-Geotechnical investigation of part of Egnatia road axis in Pindos area (part of the project “Slope safety in road networks and large construction”, 1995).

<p>External expert. Engineering geology & applied geophysics. Geophysical Research responsible.</p>	<p>Geoseismic profiles on the foundation sites of Alikianos and Valsamiotis rivers dams, Western Crete</p>
<p>External expert. Applied Remote Sensing</p>	<p>Remote Sensing data processing (from airplanes and satellites) for the investigation of the hydrogeologic regime of Crete. (1993-1994)</p>
<p>External expert. Applied Remote Sensing, GIS, Cartography</p>	<p>Remote Sensing of the mountainous zone of Kalambaka-Pyli, Thessaly, (1994-1995).</p>
<p>External expert. Applied geology-Hydrogeology, applied Geophysics</p>	<p>Groundwater in the Polytechnic School of AUTH (1995).</p>
<p>External expert. Remote Sensing, applied geology</p>	<p>Remote Sensing of the tectonic graben of "Ptolemaida-Sarigiol" (Western Macedonia, Greece), 1995-1996.</p>
<p>External expert. Engineering geology</p>	<p>Geological-Geotechnical investigation of Thessaloniki-Polygyros road axis (1996).</p>
<p>External expert. Applied Geophysics, applied geology</p>	<p>Geophysical investigation of "Sarigiol" basin for the selection of sites for the construction of groundwater extraction wells (boreholes), 1996-1997.</p>
<p>External expert. Applied Geophysics, remote sensing</p>	<p>Geophysical exploration for the tectonic investigation of the northern slopes of Mavropigi mine (1997).</p>
<p>External expert. Remote sensing & engineering geology</p>	<p>Geotechnical surveys for the improvement of the railroad axis Plati-Amyndaio-Florina-Kozani, Florina-Krystallopigi and Veroia-Kozani (1997-1998).</p>
<p>External expert. Engineering geology</p>	<p>Technical Specification for the use of hard aggregates for asphalt pavement construction – location of potential quarrying sites for the abstraction (quarrying) of aggregates (1998)</p>
<p>External expert. Applied Hydrogeology</p>	<p>Supervision of eight borings in "Sarigiol" (Kozani) area (2008)</p>
<p>External expert. Geo-Database construction, applied remote sensing, Hydrogeology</p>	<p>Groundwater Protection and Management of the plain of Trikala, Thessaly (1998-1999).</p>
<p>External expert. Geophysical research responsible. Engineering geology & applied geophysics.</p>	<p>Underground geophysical-geotechnical investigation of Chalepa area, Chania, Crete (1999-2000)</p>
<p>External expert. Geo database development. Remote Sensing</p>	<p>Research for the identification of exploitable aquifers in the eastern part of Thessaloniki and development of an electronic database for the water production wells of EYATH (Water supply company of Thessaloniki) in the areas of Brova, Foenix, Mikra, kalamaria and Ryssio (2000-2001)</p>
<p>External Expert. Engineering geology & applied geophysics</p>	<p>Underground Geophysical-Geotechnical investigation of the northern part of Chania prefecture, Crete (2000-2001)</p>

External Expert. Engineering geology & applied geophysics	Geotechnical stabilization and landscape development of the monument of Augustus in Nikopolis, Greece (2002).
External Expert. Remote sensing & applied geology	Field and laboratory research for defining three borehole construction locations on Chortiatis mountain for the water supply of Chortiatis municipality (2001).
Coordinator, applied Geology, remote sensing	Hydro-lithologic with hydrogeologic data, map construction for the river Strymon basin, at a 1:100.000 scale (2007)
Remote Sensing, GIS	Creation of a mechanism for the identification and tracking/control of diseases transmitters to humans and animals and development of a river and drinking water monitoring network in the prefecture of Serres (2009).
Coordinator, applied Geology, remote sensing	Hydro-lithologic with hydrogeologic data, map construction for the Mygdonia basin, at a 1:100.000 scale (2009)
Task responsible. Engineering Geology, GIS application (in landslide hazard assessment)	Investigation on the potential semi-mountainous bypass of Lechonia Municipality of Artemida(2007).
Coordinator, applied Geology, remote sensing	An investigation of the Engineering Geological conditions along the Exaplatanos-Mandalo road axis, Pella Prefecture (2008)
External expert. Remote Sensing & GIS	Geographic Information System development for the Technical Services of Kalamaria municipality, Thessaloniki (2008).
External expert. Engineering geology, GIS	Prevention, response and management of earthquake and other hazards on a part of the Florina-Krystallopigi road axis (2010).
Task responsible. Engineering geology & GIS	Investigation for the optimization of the geometry of the Roads N.16a and N.16b (Iasmos-Eythymo), of Rhodopi prefecture (2010)
Task responsible. Engineering geology & GIS	Investigation for the optimization and improvement of Road N.13a Sostis-Kerasia of Komotini prefecture (2010).
Task responsible. Engineering geology & GIS	Investigation for the optimization and improvement of Road N.4c Myrtiski-Kalyvia-Cloi crossing of Komotini prefecture (2010).
Task responsible. Engineering geology & GIS	Investigation for the optimization and improvement of Maronia-Petrota-Evros prefecture border (2010).
External expert. Remote Sensing & GIS	Geographical Information System of the City of Xanthi, Hellas (2010)
External expert. Engineering geology, Remote Sensing & GIS	“Risk Management of Natural and anthropogenic Landslides in the Greek-Bulgarian border area” (INTERREG III project) (2010-2011).
Coordination & Management. Engineering Geology, Remote Sensing & GIS	A Scientific Network for Earthquake, Landslide and Flood Hazard prevention – SciNetNatHaz. A project funded by the Black Sea basin Joint Operational Programme 2007-13 (2013-2015).

Educational Projects funded by the Special Account for Research Funds [13], [14]

Head of the Department, Assistant Professor, member of the research team	“Reformation of Undergraduate Studies Program of the Department of Geomatics & Surveying Department”, Technological Educational institute of Serres, Hellas. Position: Head of the Department, Assistant Professor, member of the research team (2008-09)
Head of the Department, Assistant Professor, member of the research team	“Undergraduate Courses”, Department of Geomatics & Surveying TEI of Serres (2008-09)
Head of the Department, Assistant Professor, Author Contributor, co-author Contributor	“Occupations Guide of TEI of Serres” (2010) “Business Plan for the Lifelong Learning Institute” at the TEI of Serres (2010) “Practical training (traineeship)” of Serres TEI students (2013)
Author, Lecturer of Cartography and of GIS (two courses) Lecturer and Author	“Programme for updating graduates knowledge” (2015) “Open Academic Courses” (in Applied Remote Sensing)
Lecturer and Author of e- lessons, e-books and video- labs	ERASMUS+, KA2-Cooperation for Innovation and the exchange of Good Practices- Strategic Partnerships for Education. Project: Environmental Learning Innovation for more knowledge and better jobs-EnvYJobs”

ANNEXES

- 1 Degree in Geology, Geology Department, Aristotle University of Thessaloniki (1981)
- 2 PhD (diploma) in Engineering Geology, Civil Engineering Department, Aristotle University of Thessaloniki (1991)
- 3 Professional Designers Degree
- 4 Certificate of Proficiency in English, University of Michigan
- 5 Birth Certificate
- 6 Army service certificate
- 7 Service as Assistant Professor at the Geomatics & Surveying department, TEI of Serres
- 8 Government gazette with the appointment as Assistant Professor
- 9 Government gazette with the appointment as Associate Professor
- 10 Ratified service provision receipts (proof of professional experience)
- 11 Aristotle University of Thessaloniki (AUn) Research Committee certificates for participation in Research Projects
- 12 AUn Research Committee certificates for participation in Research Projects (this one includes additional projects)
- 13 TEI of Serres (TEISER) Research Committee certificates for participation in Research Projects
- 14 TEI of Central macedonia (TEIKM-ex TEI of Serres) Research Committee certificates for participation in Research Projects
- 15 **Award documentation:**
As Project Coordinator and Manager of the project called "A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention - SciNetNatHaz" which was awarded as a "Best practice" project by the Joint Managing Authority of the Black Sea basin JOP 2007-13 programme.
- 16 Certificates of proofing teaching experience TEISER.
- 17 Certificates of proofing teaching experience TEISER.
- 18 Certificates of proofing teaching experience TEISER.
- 19 Certificates of proofing teaching experience TEISER.
- 20 Certificates of proofing teaching experience TEISER.
- 21 Certificates of proofing teaching experience University of Thessaly, Civil Engineering Dept.
- 22 Certificates of proofing teaching experience University of Thessaly, Civil Engineering Dept.
- 23 Member of the Steering Committee and Responsible for two courses of the postgraduate (Masters) degree course.
- 24 Teaching GIS in the "Environment-New technologies" postgraduate course.
- 25 Certificates of proofing teaching experience TEICM
- 26 Contribution to developing courses (as teaching fellow)
- 27 Teaching Engineering Geology applications (lab exercises)
- 28 PhD Thesis
- 29 Ground surveying with Ground Penetrating radar: the SIR300 system, GSSI. Geomatics and Surveying Department, TEI of Serres, ISBN 978 960 88247-9-9
- 30 T. Ericsson, **K. Papatheodorou**, S. Skavounos and A. Filippidis (1992): "Oxidation state of Biotite from heated perlite samples from Chivadolimni deposits in Milos Island, Greece", Neue Jahres Mineralbaum, Jg. 1992, H.1, pp. 1-12)

- 31 Meladiotis I, **Papatheodorou K.** and Bakassis E. (1993): A proposed technique for locating brakish water aquifers during the first drilling stages in Thessaloniki plain. Mineral Wealth, No83, March-April 1993, pp. 51-58.
- 32 **Papatheodorou K.**, Meladiotis I. (1993): A method for perlite quality assessment for producing expanded perlite. Mining & Metallurgical Chronicles, Jan-March 1993, Vol.3, Issue 1, pp. 27-38.
- 33 **Papatheodorou K.**, Evangelidis K., Symeonidis P. and Kaskalis T. (2008): "Applying Dynamic Segmentation and Linear Referencing Systems over the Web", International Journal of Geoinformatics, Vol.4, No3, pp. 1-8, Sept. 2008.
- 34 **K. Papatheodorou**, N. Veranis and N. Patsiaros (2010): Groundwater vulnerability in the lain of Emathia prefecture. An implementation of the DRASTIC methodology. Choro-graphies, Vol. 1, Nr.1, pp. 17-24, Serres, 2010 , ISSN: 1792-3913.
- 35 Filippidis E. and **Papatheodorou K.** (2011): "Forest ecosystem data management through WebGIS with application in Elatia forest, Greece". Fresenius Environ. Bull. ISSN: 1018-4619
- 36 Charidimos Pappas, **Konstantinos Papatheodorou**, Ioannis Fountoulis (2011): Flood Hazard assesment in the city of Serres (Greece) using morphometric and hydraulic models. Choro-graphies, Vol. 2, Nr.2, pp. 89-97, 2011.
- 37 Konstantinos Evangelis, Konstantinos Ntouros, Stathis Makridis and **Constantine Papatheodorou** (2013): "Geospatial Services in the Cloud", Computers and Geosciences, v.63, Feb. 2014,pp. 116-122, Elsevier, 2013
- 38 **Papatheodorou, K.**, & Evangelidis, K., "Protecting and preserving ground water with monitoring systems and vulnerability maps." (2014): In A. Vaseashta, P. Susmann & E. Braman (Eds.), "Cyber Security and Resiliency Policy Framework: NATO Science for Peace and Security Series - D: Information and Communication Security" - Vol. 38 (pp. 135-145). Netherlands: IOS Pres. DOI: 10.3233/978-1-61499-446-6-135, 2014.
- 39 **K. Papatheodorou**, N. Klimis, B. Margaris, K. Ntouros, K. Evangelidis, A. Konstantinidis (2014): "An Overview of the EU Actions towards Natural Hazard Prevention and Management: Current Status and Future Trends", Journal of Environmental Protection and Ecology (JEPE), Vol. 15, No.2 (2014).
- 40 K. Evangelidis, K. Ntouros, **K. Papatheodorou**, A. Konstantinidis, K. Perakis (2014): Geoclouds for Environmental Management, Journal of Environmental Protection and Ecology (JEPE), Vol. 15, No.2 (2014).
- 41 C. Maftei and **K. Papatheodorou** (2015): Flash Flood prone area Assessment using Geomorphological and Hydraulic Models. Journal of Environmental Protection and Ecology (JEPE), Vol. 16, No.1 (2015). (<http://www.jepe-journal.info/home/vol-16-no-1-2015>)
- 42 Meladiotis I., **Papatheodorou K.** and Popa I. (1994): Distribution in time and space of the Chloride ion concentration in the exploitable aquifers in the eastern part of the Plain of Thessaloniki (Greece). (Proceedings of the International Hydrogeological Symposium "Impact of Industrial Activities on Groundwater, Constanta, Romania, pp.617-632). [42]
- 43 Meladiotis. I., **Papatheodorou K.** and Ion D. (1994): Identification, dimensioning and detemination of the geometry of subsurface discontinuities in rocks by Radar profiling. (International Symposium "Geological Engineering and Environment Protection", Bucharest, Romania, pp. 193-205). [43]
- 44 **C. Papatheodorou**, N. Klimis, Pr. Moutsokapas, S. Koutrakis and B. Margaris (2007): Geotechnical Earthquake hazard assessment based on a GIS platform. 4th International Conference on Earthquake Geotechnical Engineering, June 25-28 2007, Thessaloniki, Greece. (Accepted paper No.1441) [44]

- 45 **Papatheodorou C.**, Konstantinidis A and Mouratidis E. (2008): Combining Geographical Information Systems and Geo-Engineering Education. Practical aspects and lessons learned at TEI of Serres (Greece). First International Conference on Education and Training in Geosciences. Soil Mechanics and Geotechnical Engineering, Rock Engineering Engineering Geology. Taylor & Francis, Balkema Pub.
- 46 **Papatheodorou C.**, Papazisi A. (2008): Engineering Geological Education at TEI Practical aspects from Civil Engineering Department at TEI of Serres (Greece). First International Conference on Education and Training in Geosciences. Soil Mechanics and Geotechnical Engineering, Rock Engineering Engineering Geology. Taylor & Francis, Balkema Pub. [46]
- 47 **Papatheodorou C.**, Konstantinidis A., Perakis. K. (2008): Remote sensing in Higher Education. Practical aspects and lessons learned from Geomatics & Surveying Dept. at Serres Technological Education Institution. 28th EARSeL Symposium. Istanbul/Turkey 2-7 June 2008.
- 48 **Papatheodorou K.**, Evangelidis K. (2008): GroundWater Information System. A digital tool for groundwater resources protection and management. 4rth International Environmental Conference "Life quality and capacity building in the frame of a safe Environment", Balkan Environmental Association, Katerini, Greece.
- 49 **Papatheodorou C.** (2010): GroundWater flow paths delineation using Remote Sensing techniques and GIS. 30th EARSeL Symposium, Remote Sensing for Science, Education, Natural and Cultural Heritage, June 2010, Paris, France.
- 50 **Papatheodorou C** (2010): Δορυφορική Τεχνολογία και Γεωγραφικά Συστήματα Πληροφοριών στην προστασία και διαχείριση των Υπόγειων Νερών. (Παρουσίαση στα Αγγλικά). 1ο Διεθνές Συνέδριο στην Πράσινη Ανάπτυξη. 1st International Conference on Green Infrastructure "the New Generation of Green Infrastructure Projects". Alexandrian Technological Institute of Thessaloniki, Thessaloniki, Greece, Nov. 2010.
- 51 **Konstantinos Papatheodorou**, Konstantinos Ntouros, Elias Grinias and Dimitrios Kotzinos (2012): Incorporating free/open source software in Remote Sensing Education. Pros and Cons from teaching Applications in Remote Sensing. 32nd EARSEL Symposium, "Advances in Geosciences", Mykonos, Greece.
- 52 **Konstantinos Papatheodorou**, Dimitrios Theocharis and Ioannis Fountoulis (2012): A Remotely Sensed contribution to the Western Attica (Greece) tectonic Geology. 32nd EARSEL Symposium "Advances in Geosciences", 4rth Workshop on Remote Sensing and Geology, Mykonos, Greece.
- 53 **Konstantinos Papatheodorou**, Nikolaos Veranis and Konstantinos Evangelidis (2012): «Remote Sensing and Geomatics technologies to support Ground Water sustainability». The Balkan Environmental International Conference in Istanbul, 21-23 June 2012.
- 54 Konstantinos Ntouros & **Konstantinos Papatheodorou** (2012): «Advances in field GIS – A Cloud GI System». The Balkan Environmental International Conference in Istanbul, 21-23 June 2012.
- 55 **Konstantinos Papatheodorou** and Nikolaos Veranis (2012): «Groundwater pollution risk assessment to support decision making regarding Land Use Planning», 2nd International Conference on Green Infrastructure "The New generation of Green Infrastructure Projects", Alexandrian Technological Institute of Thessaloniki, Thessaloniki, November 2012.
- 56 **Papatheodorou, K.** (2013): Protecting and preserving ground water with monitoring systems and vulnerability maps."Best practices and Innovative Approaches to Develop Cyber Security and Resiliency Policy Framework", NATO advanced Research Workshop, Ohrid, FYROM, June 10-12, 2013.

- 57 **K. Papatheodorou**, L. Tofan, G. Stanciu, D.T. Epure, Z. Prefac, M. Lungu, I. Moise, L. Panaitescu, M. Arpent, B. Trantafyrescu, M. Golumbeanu, C. Constantin, T.J. Erlinger (2013): A Scientific Network for the Prevention of Environmental Hazards in the Black Sea Basin. Improving Governance, Management and Building Capacities. International Conference “Marine Research Horizon 2020 – MARES 2020, 17-20 Sept. 2013, Varna, Bulgaria.
- 58 **Papatheodorou Konstantinos**, Klimis Nikolaos, Ntouro Konstantinos, Evangelidis Konstantinos, Konstantinidis Alexandros (2014): “Natural hazard Prevention and Management in the wider Black Sea area: The SciNetNatHaz Project”, International Conference AQUALIRES 2014 “New tools for sustainable management of aquatic resources” Special Session for Natural hazards, Conference Proceedings, Bucharest Jan. 2014.
- 59 Evangelidis Konstantinos, Ntouro Konstantinos, **Papatheodorou Konstantinos**, Konstantinidis Alexandros (2014): “GeoClouds for Environmental Management”, International Conference AQUALIRES 2014 “New tools for sustainable management of aquatic resources”, Conference Proceedings, Bucharest Jan. 2014.
- 60 **Konstantinos A. Papatheodorou**, Eleni A. Tzanou, Konstantinos D. Ntouro (2014): Flood Hazard prevention using Morphometric and Hydraulic models. An example implementation. Green Infrastructure and Sustainable Societies (GreInSus) International Conference, May 2014, Izmir, Turkey.
- 61 H. Aksoy, V.S.O. Kirca, **K. Papatheodorou** (2014): Flood Hazard Assessment and Modelling Practices in Turkey. Proceedings of the Mediterranean Meeting on “ Monitoring, modelling and early warning of extreme events triggered by heavy rainfalls ” . PON 01_01503 - MED-FRIEND project, University of Calabria, Cosenza (Italy), June 26th-28th, 2014
- 62 **Konstantinos Papatheodorou**, Konstantinos Evangelidis, Konstantinos D. Ntouro (2014): Applied Research for protection and management of Groundwater resources using contemporary technologies. 1st International Medical Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania. This paper was awarded as the 3rd best oral presentation of the Conference
- 63 Carmen Maftei, **Konstantinos Papatheodorou** (2014): Mapping the Flash Flood prone area in the Taita river watershed (Romania) using Topographic Indexes and Hydraulic Models. Second International Conference on Natural and Anthropogenic Riisks ICNAR 2014, 04-07 June 2014, Bacau Romania.
- 64 **Papatheodorou Konstantinos**, Tzanou Elena, Maftei Carmen, Kirca Ozgur and Aksoy Hafzullah (2015): Towards flash flood disaster prevention: the SciNetNat Haz proposal. Geophysical Research Abstracts, Vol. 17, EGU2015-15176, 2015, EGU General Assembly 2015.
- 65 **Papatheodorou Konstantinos**, Tzanou Elena, Maftei Carmen, Kirca Ozgur and Aksoy Hafzullah (2015): Earthquake, Landslide and Flood disaster prevention: The SciNetNatHaz Project. International Conference “Frontiers in Environmental Management 2015”, Kavala, Greece, March 2015.
- 66 **Konstantinos Papatheodorou**, Konstantinos Evangelidis, Konstantinos Ntouro (2015): An Integrated approach to promote GroundWater Sustainability. International Conference “Frontiers in Environmental Management 2015”, Kavala, Greece, March 2015.
- 67 V.S. Ozgur Kirca, Hafzullah Aksoy, **Konstantinos Papatheodorou** & Katia Stepanova, (2014): "LEGISLATIVE ASPECTS OF FLOOD HAZARD PREVENTION AND RESILIENCE IN NON EU MEMBER EUROPEAN COUNTRIES", 9th World Congress of EWRA “Water Resources Management in a Changing World: Challenges and Opportunities” Istanbul, Turkey, 24th-27th June 2015, 2015 (accepted).

Poster Sessions

- 68 Nikolaos Klimis, **Konstantinos Papatheodorou**, Prodromos Moutsokapas, Basil Margaris (2013): “Landslide hazard assessment using GIS: evaluation of empirical prediction and implementation” International Conference on Earthquake Geotechnical Engineering, from Case Histories to Practice; In the Honor of Prof.Kenji Ishihara, 17-19 June 2013, Istanbul, Turkey. (*Only Invited Lecturers presented orally*).
- Chapters in Books**
- 69 C. Maftei, K. Papatheodorou (2015): Mathematical Models used for Hydrological Floodplain Modeling” in ‘Extreme Weather and Impacts of Climate Change on Water Resources in the Dobrogea region”. IGI Global International Publisher of Progressive Academic Research, Pennsylvania, USA.
- Presentations in National (Hellenic) Conferences**
- 70 Mouratidis A. and Papatheodorou K. (1995): Geoseismic method for geotechnical reconnaissance. (1st National Conference on Road Construction, pp. 222-233).
- 71 K. Papatheodorou, P. Moutsokapas, N. Klimis, V. Margaris (2006): Geotechnical Hazard maps for road networks. An application in the island of Lefkada (Greece). (9th National Conference on Cartography «Network Cartography and Cartography through networks)
- 72 E. Stefanidou, K. Evangelidis, A. Konstantinidis K. Papatheodorou (2006): GIS in Mapping traffic noise on parts of city road network (9th National Conference on Cartography «Network Cartography and Cartography through networks).
- 73 A. Konstantinidis, K. Evangelidis, K. Papatheodorou, M. Proffylidou, D. Ramnalis (2006): Urban development and mass transport networks: Η Περίπτωση της Περαίας (9th National Conference on Cartography «Network Cartography and Cartography through networks).
- 74 Moutsokapas P., **Papatheodorou C.**, Margaris V and Klimis N. (2010): Landslide hazard pre-estimation methods using Geographic Information Systems: method evaluation and implementation in Magnissia prefecture, Greece. 6th Hellenic Conference on Geotechnical & Geoenvironmental Engineering, Volos, Greece.
- 75 **Papatheodorou C.** and Peristeri A. (2011): Exploratory geophysical research using Ground Penetrating Radar in Kastas Tomb, Amfipoli, Greece. ΚΔ’ (24th) Scientific meeting “Archaeological research in Macedonia and Thrace”, March 2011, Aristotle University of Thessaloniki & Ministry of Culture & Tourism, Thessaloniki, Greece.
- 76 **Papatheodorou Konstantinos**, Ntouros Konstantinos, Grinias Elias and Kotzinos Demetrios (2012): Integrating Open Source software and Geomatics teaching experience into higher education. Potential and possibilities. 7th 7o Hellenic Conference HellasGIs, May 2012, Athens.
- 77 Tsiamis A. **Papatheodorou K** and Perakis K. (2015): Geologic indices in locating mineral resources. Fourth Hellenic Conference of Planning and Regional Development, September 24-27, University of Thessaly, Volos, Greece (<http://conferenceprd4.prd.uth.gr>)
- 78 Symeonidis P., Batsis A., Baltzopoulou P. (DRAXIS), Evangelidis K. (TRIAS), Papatheodorou K., Konstantinidis Al. (TEI of Serres) (2006): Dynamic Segmentation as a tool for Transport related Data Management. 21st European Conference for ESRI users, 6-8 November 2006, Athens.
- 79 E. Karagiozi, I. Fountoulis, D. Papanikolaou and K. Papatheodorou (2008): Analysis and assessment of natural hazards in Lakonia prefecture, Greece, over the Web. 18th Pan-Hellenic Meeting of Geographic Information Systems, Thessaloniki 5-7 November 2008
- 80 Papatheodorou K. (1999): Engineering Geology. Basic Theory and applications in building construction. Civil Engineering Dept. Serres TEI, Greece.
- 81 Papatheodorou K. (2000): Elements of Geology & Pedology. Geomatics & Surveying Dept., Serres TEI, Greece.
- 82 Papatheodorou K. (2001): Engineering Geology in Civil Engineering. University Publications. University of Thessaly, Civil Engineering Dept.

- 83 Remote Sensing applications with Multispec©. A step by step approach. Serres, 2012. Free access from: http://geo.teicm.gr/index.php?option=com_content&view=article&id=589%3Amultispec&catid=6&lang=el TEI of Central Macedonia and <https://engineering.purdue.edu/~biehl/MultiSpec/tutorials.html> Purdue University (USA), (last seen: 15.05.2015).
- 84 Award: Third best oral presentation at the International Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania for the paper
*Konstantinos A. Papatheodorou, Konstantinos Evangelidis, Konstantinos D. Ntouros (2014): Applied Research for protection and management of Groundwater resources using contemporary technologies. 1st International Medical Conference “Environment and Public Health – MedENV 2014”, Constanta, Romania.
- 85 Hydrological Sciences Journal, Taylor & Francis, International Association of Hydrological Sciences (IAHS) <http://www.tandfonline.com/toc/thsj20/current>. (SCImago Water Science & Technology (Q1))
- 86 International Journal of Geoinformatics (SCImago Earth & Planetary Sciences (Q3) and Geography, Planning and Development (Q3)) <http://journals.sfu.ca/ijg/index.php/journal/index>
- 87 Scientific Journal “Aeichoros”, of the Department of Planning and Regional Development University of Thessaly, Greece) <http://www.aeihoros.gr/>
- 88 Scientific Journal “Choro-grafies” of the Civil Engineering and Surveying & GeoInformatics Engineering Department of TEI of Central Macedonia, <http://www.teicm.gr/geoplir/ojs/index.php/Chorografies>). ISSN: 1792-3913.
- 89 Member of the Scientific Committee of the **1st International Conference on “Green Infrastructure, Transportation and Networks”**, November 2010, Thessaloniki, Greece.
Session Chairman/Moderator at the 1st International Conference on “Green Infrastructure, Transportation and Networks”, November 2010, Thessaloniki, Greece.
- 90 Member of the Scientific Committee of the **2nd International Conference on “Green Infrastructure”**, November 2012, Thessaloniki, Greece.
Session chairman/Moderator at the Scientific Committee of the 2nd International Conference on “Green Infrastructure”, November 2012, Thessaloniki, Greece.
- 91 Member of the Scientific Committee of the International Medical Conference “Environment and Public Health- MED ENV 2014”, September 2014, Constanta, Romania.
Chairman/Moderator at the International Conference MED ENV 2014, Sept. 2014, Constanta Romania
- 92 Co-convener at the European Geosciences Union - EGU2015, EGU General Assembly, Vienna Austria, April 2015. Session: HS7.6 Climate and Environmental Change: Long Term Planning for Hydroengineering and Water Resources Infrastructure.
- 93 Session Chairman/Moderator at the International Conference AQUALIRES 2014 “New tools for sustainable management of aquatic resources” Special Session for Natural hazards, Bucharest Romania, 2014.
- 94 Chairman/Moderator at the BENA 2012 Istanbul Conference (21-24 June 2012): Sustainable Landscape Planning and Safe Environment, Istanbul, Turkey 2012
- 95 Press announcements about the results of my scientific work. Only electronic Press and one newspaper (other newspapers are not included here, nor are tv interviews etc).
- 96 Editorial Board of the International Journal of Geoinformatics from 2008 up to date (<http://journals.sfu.ca/ijg/index.php/journal/index>)
- 97 A recent proposal for cooperation
- 98 Lecture about applied Remote Sensing in SplitRS summer school
- 99 Participation (there are only personal invitations to participate in this conference) in the 4th European Water Conference, Brussels 23-24 March 2015

- 100 HORIZON 2020 proposal submitted. Includes list of partners and associate Organizations that support the proposal. Indicative of the capability to organize and implement research projects.
- 101 Ntouros Konstantinos, Konstantinidis Alexandros, **Papatheodorou Konstantinos**, Evangelidis Konstantinos (2014): Natural resources management using GI “Cloud Computing” Systems (CloudGIS). Proceedings of the 8th Hellenic Conference HellasGIS, 11-12 December 2014, Athens.
- 102 A brief analysis of Research Work conducted (includes published/presented and research projects). In Greek.
- 103 A brief commentary to the candidacy. In Greek.
- 104 Curriculum Vitae in English.
- 105 Certificate of proofing experience. A TEI of Thessaloniki

Konstantinos Papatheodorou, June 2016