



PERSONAL INFORMATION

Konstantinos Papatheodorou



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 [http://civilgeo.teicm.gr/index.php?cat\\_id=62](http://civilgeo.teicm.gr/index.php?cat_id=62)

 **Skype used ID:** constant.pap1; VIBER, Whatsup (with cellphone number)

**Sex** Male | **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 (TEICM), Hellas

WORK EXPERIENCE

Type of Business of Sector

Academic - Research

2004-2018

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).

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

1985-1990

Special Graduate Scholarship, PhD candidate Civil Engineering Department, AUTH

- 1991 PhD in Engineering Geology, Civil Engineering Department, AUTH (grade “excellent”)
- 1998 Proficiency in English, Michigan University

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 TEICM Special Account for Research Funds (currently Vice President).  
Project Coordination and Management of Research Projects (“SciNetNatHaz” project (EU funded and awarded as “Best Practice Project”), with large participation per project (up to 7 partners from 6 countries with more than 80 scientists involved).  
Development and Preparation of Proposals for funding (involving as many as 17 partners and 14 associated Organizations).

**Capability to Organize and carry out Scientific Research**

**Brief Comments** Participated in 47 Research Projects of which, 39 competitive ones focused on applied research and eight (8) on Education (more details in pages 5-8).

**Recent Activities** 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 and was successfully closed (Nov. 2015).

**Job-related skills-Educational** Teaching experience of more than fifteen years in graduate (more than eight courses) and post graduate (four) courses in four different higher education Institutions. Various lectures in numerous other cases (summer schools, lifelong learning etc).  
As Dissertation advisor supervised more than 100 undergraduate, 10 post graduate and participated as member of the supervisory board in three PhDs.

<b>Job-related skills-Professional</b>	<p>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), Geo-Informatics applications development.</p> <p>Skills acquired through more than 23 years of professional work (29 professional surveys, 39 applied research projects, 8 educational ones) and scientific research (various publications).</p> <p>Project Management and coordination in competitive international research projects.</p>
<b>Computer skills</b>	<p>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).</p>
<b>Driving licence</b>	<b>B</b>

ADDITIONAL INFORMATION

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<b>A brief overview</b>	<p><b>Research Work</b></p> <table border="0"> <tr> <td>PhD theses and monographs:</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Publications in peer reviewed scientific journals :</td> <td style="text-align: right;">16</td> </tr> <tr> <td>Presentations in International Conferences (reviewed):</td> <td style="text-align: right;">37</td> </tr> <tr> <td>Presentations in National (Hellenic) Conferences:</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Other:</td> <td style="text-align: right;">2</td> </tr> <tr> <td>Books/Teaching Notes:</td> <td style="text-align: right;">5</td> </tr> </table>	PhD theses and monographs:	2	Publications in peer reviewed scientific journals :	16	Presentations in International Conferences (reviewed):	37	Presentations in National (Hellenic) Conferences:	10	Other:	2	Books/Teaching Notes:	5
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**Forward** **Recognition of the Scientific Work – Honorary Positions**

Recognition of the scientific work is evident by various indicators including Citations by other scientists (80+), honorary positions as are the “Chairmanship” of International Conferences, the participation in Editorial Boards of International Scientific Journals, the participation in Scientific Committees of International Conferences, invitations for plenary speeches and lectures, invitations for teaching in post graduate courses of other higher education Institutions, public press releases.

**2008-2015** **Member of the Editorial Board of International Journals**  
 Editorial Board of the International Journal of Geoinformatics from 2008 up to date (<http://journals.sfu.ca/ijg/index.php/journal/index> )

**Since 2017** Ovidius University Annals of Constanta – Series Civil Engineering

**2010-2015** **Member of the Editorial Board of National Journals**  
 Editorial Board of the scientific Journal Chorographies, of the Civil Engineering and Surveying & Geoinformatics Engineering Department, TEI of Central Macedonia  
<http://www.teicm.gr/geoplir/ojs/index.php/Chorographies/about/editorialTeam>

**President (Chairman) of the Scientific Committee of International Conferences**

- 2016 3<sup>rd</sup> International Conference on “Water Across Time in Engineering Research”, June 2016, Constanta, Romania.
- 2018 4<sup>th</sup> International Conference on “Water Across Time in Engineering Research”, July 2018, Constanta, Romania.

### Member of the Scientific Committee of International Conferences

- 2010 Member of the Scientific Committee and Session Chairman/Moderator of the 1st International Conference on “Green Infrastructure, Transportation and Networks”, November 2010, Thessaloniki, Greece.
- 2012 Member of the Scientific Committee and Session Chairman/Moderator of the 2nd International Conference on “Green Infrastructure”, November 2012, Thessaloniki, Greece.
- Member of the Scientific Committee and Session chairman/Moderator at the BENA 2012 Istanbul Conference (21-24 June 2012): Sustainable Landscape Planning and Safe Environment, Istanbul, Turkey 2012
- 2014 Member of the Scientific Committee and Session Chairman/Moderator of the International Medical Conference “Environment and Public Health- MED ENV 2014”, September 2014, Constanta, Romania.
- 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.
- 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.

### Reviewer of International Journals

- Since 2017 Water — Open Access Journal (ISSN 2073-4441; CODEN: WATEGH). WATER CiteScore 2017 (Scopus): 2.29, which equals rank 37/191 (Q1) in the category 'Water Science and Technology' and 43/199 (Q1) in 'Aquatic Science' (<https://www.mdpi.com/journal/water>).
- Since 2017 Geosciences (ISSN 2076-3263; CODEN: GBSEDA) an interdisciplinary, international peer-reviewed open access journal of geoscience, future earth and planetary science published monthly online by MDPI. (SCImago H Index 12, Earth and Planetary Sciences (miscellaneous) (Q2)).
- Hydrology — Open Access Journal (ISSN 2306-5338) which is an international peer-reviewed open access journal of hydrology published quarterly online (<https://www.mdpi.com/journal/hydrology>).
- Since 2017 International Journal of Advanced Robotics and Automation (ISSN: 2473-3032 Journal DOI: 10.15226/2473-3032/)
- Since 2015 Hydrological Sciences Journal, Taylor & Francis, International Association of Hydrological Sciences (IAHS) <http://www.tandfonline.com/toc/thsj20/current>. (SCImago Water Science & Technology (Q1)).
- 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>

### Reviewer of National Journals

- Since 2010 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.

Since 2014 Scientific Journal “AeiChoros”, of the Department of Planning and Regional Development University of Thessaly, Greece) <http://www.aeihoros.gr/> [87]

**Awards**

2017 **Best Performance and Content Award** in the Presentation Sessions of the International UAB-BENA Conference “Environmental Engineering and Sustainable Development”, Alba Iulia, Romania May 25-27, 2017 (for the Conference Presentation Konstantinos Papatheodorou, Konstantinos Ntouros, Alexandros Konstantinidis, “ REMOTE SENSING FOR CROP MANAGEMENT: A NEW SERVICE MARKET TO PROMOTE MODERNIZATION OF AGRICULTURE”)

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.

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.

1985-1990 PhD scholarship (“Special Post-Graduate Scholarship”).

1977-1981 Graduate studies under scholarships throughout the entire period (four years)

**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.

**Research Interests**

- 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 seismics
- Harmonization and Cross Border Cooperation policies

**Involvement / Role**

**Research Experience (Participation in Research projects)**

Senior Expert. Applied Geology – Hydrogeology – Remote Sensing

Groundwater aquifer research in Aravissos area for the water supply of the city of Thessaloniki (1990-1993)

Senior expert. Applied Geology – Hydrogeology & geophysics

Research for investigation the pollution of exploitable aquifers of the plain of Thessaloniki-Giannitsa (1990-1993)

<p>Senior expert. Applied Geology – Hydrogeology &amp; geophysics</p>	<p>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)</p>
<p>Senior expert. Applied Geology – Hydrogeology</p>	<p>Investigation of the geothermal areas in Chalkidiki (1990-1993)</p>
<p>Senior expert. Geophysical Research responsible. Applied geophysics – GPR</p>	<p>Investigation for locating and mapping buried antiquities in the archaeological site of Dion (1992)</p>
<p>Senior expert. Engineering geology</p>	<p>Geologic-Geotechnical investigation of the main geologic formations in the Aristotle University of Thessaloniki area (1990)</p>
<p>Senior expert. Applied geology- Hydrogeology</p>	<p>Mathematical Modeling of the hydrogeologic conditions in Mygdonia basin</p>
<p>Senior expert. Engineering geology &amp; applied geophysics</p>	<p>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>
<p>Senior expert. Engineering geology &amp; applied geophysics. Geophysical Research responsible.</p>	<p>Geoseismic profiles on the foundation sites of Alikianos and Valsamiotis rivers dams, Western Crete</p>
<p>Senior 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>Senior expert. Applied Remote Sensing, GIS, Cartography</p>	<p>Remote Sensing of the mountainous zone of Kalambaka-Pyli, Thessaly, (1994-1995).</p>
<p>Senior expert. Applied geology- Hydrogeology, applied Geophysics</p>	<p>Groundwater in the Polytechnic School of ATh (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>Senior 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>Senior expert. Applied Geophysics, remote sensing</p>	<p>Geophysical exploration for the tectonic investigation of the northern slopes of Mavropigi mine (1997).</p>
<p>Senior expert. Remote sensing &amp; 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>Senior 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 (1998)</p>

<p>Senior expert. Geo-Database construction, applied remote sensing, Hydrogeology</p>	<p>Groundwater Protection and Management of the plain of Trikala, Thessaly (1998-1999).</p>
<p>Senior expert. Geophysical research responsible. Engineering geology &amp; applied geophysics.</p>	<p>Underground geophysical-geotechnical investigation of Chalepa area, Chania, Crete (1999-2000)</p>
<p>Senior 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>Senior Expert. Engineering geology &amp; applied geophysics</p>	<p>Underground Geophysical-Geotechnical investigation of the northern part of Chania prefecture, Crete (2000-2001)</p>
<p>Senior Expert. Engineering geology &amp; applied geophysics</p>	<p>Geotechnical stabilization and landscape development of the monument of Augustus in Nikopolis, Greece (2002).</p>
<p>Senior Expert. Remote Sensing, GIS. Remote sensing &amp; applied geology</p>	<p>Field and laboratory research for defining three borehole construction locations on Chortiatis mountain for the water supply of Chortiatis municipality (2002).</p>
<p>Coordinator, applied Geology, remote sensing</p>	<p>Hydro-lithologic with hydrogeologic data, map construction for the river Strymon basin, at a 1:100.000 scale (2007)</p>
<p>Senior Expert. Remote Sensing, GIS</p>	<p>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).</p>
<p>Coordinator, applied Geology, remote sensing</p>	<p>Hydro-lithologic with hydrogeologic data, map construction for the Mygdonia basin, at a 1:100.000 scale (2009)</p>
<p>Senior Expert. Task responsible. Engineering Geology, GIS application (in landslide hazard assessment)</p>	<p>Investigation on the potential semi-mountainous bypass of Lechonia Municipality of Artemida (2007).</p>
<p>Coordinator, applied Geology, remote sensing</p>	<p>An investigation of the Engineering Geological conditions along the Exaplatanos-Mandalo road axis, Pella Prefecture (2008)</p>
<p>Senior expert. Remote Sensing &amp; GIS</p>	<p>Geographic Information System development for the Technical Services of Kalamaria municipality, Thessaloniki (2008).</p>
<p>Senior expert. Engineering geology, GIS</p>	<p>Prevention, response and management of earthquake and other hazards on a part of the Florina-Krystallopigi road axis (2010).</p>



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)
Senior Researcher, Engineering Geology, Remote Sensing & GIS	Geoinformation technology application in drought risk assessment.
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).
<b>Educational Projects funded by the Special Account for Research Funds [13], [14]</b>	
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	“Occupations Guide of TEI of Serres” (2010)
Contributor, co-author	“Business Plan for the Lifelong Learning Institute” at the TEI of Serres (2010)
Contributor	“Practical training (traineeship)” of Serres TEI students (2013)
Author, Lecturer of Cartography and of GIS (two courses)	“Programme for updating graduates knowledge” (2015)
Lecturer and Author	“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”



## PUBLICATIONS

### 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.

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

### Publications in peer reviewed Scientific Journals

- 2018 Evangelidis, K., Papadopoulos, T., **Papatheodorou, K.**, Mastorokostas, P., & Hilas, C. (2018). 3D geospatial visualizations: Animation and motion effects on spatial objects. *Computers & Geosciences*, 111, 200-212. <https://doi.org/10.1016/j.cageo.2017.11.007>
- 2018 **Papatheodorou, K.**, & Evangelidis, K. (2018). Planning for Groundwater Protection: monitoring Systems & Data Requirements. NATO Science for Peace and Security Series, to appear.
- 2018 Evangelidis, K., Papadopoulos, T., **Papatheodorou, K.**, Mastorokostas, P., & Hilas, C. (2018). 3D geospatial visualizations: Animation and motion effects on spatial objects. *Computers & Geosciences*, 111, 200-212. <https://doi.org/10.1016/j.cageo.2017.11.007>
- 2017 **K. Papatheodorou**, K. Evangelidis and K. Ntourois (2017): Geomatics for Environmental Protection and Management. *Journal of Environmental Protection and Ecology (JEPE)*, Vol. 18, No.1, pp.168-180 (2017).
- 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>)
- 2014 K. Evangelidis, K. Ntourois, **K. Papatheodorou**, A. Konstantinidis, K. Perakis (2014): Geoclouds for Environmental Management, *Journal of Environmental Protection and Ecology (JEPE)*, Vol. 15, No.2 (2014).
- 2014 **K. Papatheodorou**, N. Klimis, B. Margaris, K. Ntourois, 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).
- 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.
- 2013 Konstantinos Evangelidis, Konstantinos Ntourois, Stathis Makridis and **Constantine Papatheodorou** (2013): "Geospatial Services in the Cloud", *Computers and Geosciences*, v.63, Feb. 2014, pp. 116-122, Elsevier, 2013
- 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.
- 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

- 2010 **K. Papatheodorou**, N. Veranis and N. Patsiaros (2010): Groundwater vulnerability in the Iain of Emathia prefecture. An implementation of the DRASTIC methodology. *Chorographies*, Vol. 1, Nr.1, pp. 17-24, Serres, 2010, ISSN: 1792-3913.
- 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.
- 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.
- 1993 Meladiotis I, **Papatheodorou K.** and Bakassis E. (1993): A proposed technique for locating brackish water aquifers during the first drilling stages in Thessaloniki plain. *Mineral Wealth*, No83, March-April 1993, pp. 51-58.
- 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)

### 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).
- 1994 Meladiotis I., **Papatheodorou K.** and Ion D. (1994): Identification, dimensioning and determination of the geometry of subsurface discontinuities in rocks by Radar profiling. (International Symposium "Geological Engineering and Environment Protection", Bucharest, Romania, pp. 193-205).
- 2007 **C. Papatheodorou**, N. Klimis, Pr. Moutsokapas, S. Koutrakis and B. Margaris (2007): Geotechnical Earthquake hazard assessment based on a GIS platform. 4<sup>th</sup> International Conference on Earthquake Geotechnical Engineering, June 25-28 2007, Thessaloniki, Greece. (Accepted paper No.1441)
- 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.
- 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.
- 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.
- 2008 **Papatheodorou K.**, Evangelidis K. (2008): GroundWater Information System. A digital tool for groundwater resources protection and management. 4<sup>th</sup> International Environmental Conference "Life quality and capacity building in the frame of a safe Environment", Balkan Environmental Association, Katerini, Greece.
- 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.

- 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.
- 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.
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- 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.
- 2013 **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.
- 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 2014.
- 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.
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- 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
- 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 3<sup>rd</sup> best oral presentation of the Conference
- 2014 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.
- 2015 **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.
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- 2016 **Konstantinos Papatheodorou**, E. Tzanou, C. Maftei, O. Kirca, H. Aksoy, K. Ntouros (2016): Harmonized Flood Hazard & Risk Assessment. 3rd International Conference "Water across Time in Engineering Research", Constanta, Romania. Conference proceedings and Ovidius University Annals Series: Civil Engineering, Issue 18, October 2016.
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- 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". International Conference " Protection of Natural Resources and Environmental Management: The main Tools for Sustainability- PRONASEM2016", November 2016, Bucharest, Romania.  
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- 2017 **Papatheodorou K.**, Ntouros K., Konstantinidis A. (2017): Remote Sensing for Crop Management: a New Service Market to promote Modernization of Agriculture. International Conference on Environmental Engineering & Sustainable Development, Alba Iulia, Romania. *This paper was awarded as the best performance & Content presentation in the Conference.*
- 2018 **K. Papatheodorou**, C. Sarantis, K. Ntouros and A. Konstantinidis (2018): ASTER DEM for calculating Hydrologic Indices. International Conference "Water in Engineering Research-WATER 2018", Constanta, Romania, June 2018.  
**K. Papatheodorou** (2018):Teaching Flood Hazard Assessment to ERASMUS+ students. Lessons learned from the ERASMUS+ "envYJobs" Project. International Conference "Water in Engineering Research-WATER 2018", Constanta, Romania, June 2018.  
C. Sarantis, K. Evangelidis & **K. Papatheodorou** (2018): Natural Disasters modeling over a python-based WebGIS platform. International Conference "Water in Engineering Research-WATER 2018", Constanta, Romania, June 2018.
- 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).*
- 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.
- 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 «SafeEnros 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>)



- 2014 Ntouros Konstantinos, Konstantinidis Alexandros, **Papatheodorou Konstantinos**, Evangelidis Konstantinos (2014): Natural resources management using GI “Cloud Computing” Systems (CloudGIS). Proceedings of the 8<sup>th</sup> Hellenic Conference HellasGIS, 11-12 December 2014, Athens.
- 2012 **Papatheodorou Konstantinos**, Ntouros Konstantinos, Grinias Elias and Kotzinos Demetrios (2012): Integrating Open Source software and Geomatics teaching experience into higher education. Potential and possibilities. 7<sup>th</sup> Hellenic Conference HellasGIS, May 2012, Athens.
- 2011 **Papatheodorou C.** and Peristeri A. (2011): Exploratory geophysical research using Ground Penetrating Radar in Kastas Tomb, Amfipoli, Greece. ΚΔ’ (24<sup>th</sup>) Scientific meeting “Archaeological research in Macedonia and Thrace”, March 2011, Aristotle University of Thessaloniki & Ministry of Culture & Tourism, Thessaloniki, Greece.
- 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. 6<sup>th</sup> Hellenic Conference on Geotechnical & Geoenvironmental Engineering, Volos, Greece.
- 2006 A. Konstantinidis, K. Evangelidis, K. Papatheodorou, M. Proffylidou, D. Ramnalis (2006): Urban development and mass transport networks: Η Περίπτωση της Περαίας (9<sup>th</sup> National Conference on Cartography «Network Cartography and Cartography through networks).
- 2006 E. Stefanidou, K. Evangelidis, A. Konstantinidis K. Papatheodorou (2006): GIS in Mapping traffic noise on parts of city road network (9<sup>th</sup> National Conference on Cartography «Network Cartography and Cartography through networks).
- 2006 K. Papatheodorou, P. Moutsokapas, N. Klimis, V. Margaris (2006): Geotechnical Hazard maps for road networks. An application in the island of Lefkada (Greece). (9<sup>th</sup> National Conference on Cartography «Network Cartography and Cartography through networks)
- 1995 Mouratidis A. and Papatheodorou K. (1995): Geoseismic method for geotechnical reconnaissance. (1<sup>st</sup> National Conference on Road Construction, pp. 222-233).

### Other Publications/BOOKS

- 1999 Papatheodorou K. (1999): Engineering Geology. Basic Theory and applications in building construction. Civil Engineering Dept. Serres TEI, Greece.
- 2000 Papatheodorou K. (2000): Elements of Geology & Pedology. Geomatics & Surveying Dept., Serres TEI, Greece.
- 2001 Papatheodorou K. (2001): Engineering Geology in Civil Engineering. University Publications. University of Thessaly, Civil Engineering Dept.
- 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.
- 2012 Remote Sensing applications with Multispec©. A step by step approach. Serres, 2012.
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