



NATIONAL TECHNICAL UNIVERSITY OF ATHENS

School of Mining & Metallurgical Engineering

Department of Geological Sciences

Laboratory of Engineering Geology and Hydrogeology

Zographou Campus, GR-157 80 Athens, GREECE

Curriculum vitae

CONSTANTINOS J. LOUPASAKIS

Associate Professor N.T.U.A.

Ph.D., M.Sc. Geologist & Civil Engineer

Ph.D. in Engineering Geology

M.Sc. in Applied and Environmental Geology

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PERSONAL INFORMATION

Surname: LOUPASSAKIS

Name: CONSTANTINOS

Name of Father: Ioannis

Name of Mother: Korina

Date of Birth: 21 January 1974

Place of Birth: Athens, Greece

Citizenship: Greek

Marital Status/childes: Married / One Daughter

Name of Wife: Ioanna Papadopoulou

Military Status: Fulfilled military obligations (discharge date 27 of July 2003)

Work address: National Technical University of Athens (NTUA),
School of Mining and Metallurgical Engineering ,
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1. CURRENT EDUCATIONAL OCCUPATION

- Associate Professor at the school of Mining and Metallurgical Engineering of the National Technical University of Athens (NTUA). Research Area: "Engineering Geology and Ground Improvement Techniques "
- Contracted Professor at the School of Science and Technology of the Hellenic Open University (HOU).
- Contracted Professor at the Technical Education School of the Corps of Engineers of the Hellenic Army General Staff.

2. CURRENT ADMINISTRATIVE OCCUPATION

- President of the Greek National Group of the Engineering Geologists of the International Association of Engineering Geology (IAEG).
- Director of the Short Courses Professional Program ``Natural Catastrophic Events Under Climate Change Impact`` of the Hellenic Open University.

3. RESEARCH FIELDS

a) Geotechnical Engineering (Engineering Geology – Soil Mechanics – Rock Mechanics Computational Geotechnical Engineering), b) Natural Hazards Mitigation, c) Hydrogeology and d) Environmental Geology.

4. EDUCATIONAL BACKGROUND – STUDIES

1991 - 1995 **Degree in Geology**, Aristotle University of Thessaloniki, Faculty of Sciences, School of Geology.

Graduation Grade: 8,23 - V. Good ⁽¹⁾ - Distinguished Graduation. Graduation Date: 12/10/1995.

1995 - 1998 **MSc Diploma on Applied and Environmental Geology**, Aristotle University of Thessaloniki, Faculty of Sciences, School of Geology.

Graduation Grade: 9,13- Exelent ⁽²⁾- Distinguished Graduation. Graduation Date: 4/6/1998

1997 - 2001 **Diploma on Civil Engineering**, Aristotle University of Thessaloniki, Faculty of Engineering, School of Civil Engineering.

Graduation Grade: 7,50 - V. Good ⁽³⁾. Graduation Date: 21/11/2001

1998 - 2002 **Ph.D. on Engineering Geology**, Aristotle University of Thessaloniki, Faculty of Sciences, School of Geology.

Graduation Grade: Exelent - Distinguished Graduation. Graduation Date: 12/4/2002

(1) First (1st) Graduate Student of the 1995 graduates.

(2) First (1st) Candidate of the students enrolled in 1995, and First (1st) Graduate Student of the 1998 graduates.

(3) Sixth (6th) Graduate Student of the 2001 graduates.

5. LANGUAGES

Greek (mother Language), English (very good)

6. SCHOLARSHIPS

Undergraduate Scholarships

1. Best 1st Year Graduate Scholarship (1991-92, Geology Degree) from the State Scholarship's Foundation (IKY).
2. Best 2nd Year Graduate Scholarship (1992-93, Geology Degree) from the State Scholarship's Foundation (IKY).

Postgraduate Scholarship

1. Postgraduate Studies Scholarship, in the field of "Applied Geology" from the State Scholarship's Foundation (IKY). Postgraduate Scholarship's program of the year 1996 – 1997. Duration 3,5 years. (Granted as first candidate.)

7. PROFESSIONAL ACTIVITY

1996 - 2001:	Researcher at the Geology Department, Aristotle University of Thessaloniki (AUTH).
1997- 2002:	Self-Employed Researcher Geologist.
1999 - 2000:	Scientific Counselor at the Prefecture of Thessaloniki. Contractor of the Direction of management & Planning.
2003 - 2005 :	Self-Employed Researcher Civil Engineer - Geologist.
2003 - 2005 :	Contracted Lecturer at the Civil Engineering Department of the School of Engineering of the University of Thessaly.
2003 - 2005 :	Contracted Assis. Professor at the Civil and Structural Engineering Department of the School of Technological Applications of the Technological Educational Institute of Serres.
2003 - 2005 :	Contracted Assis. Professor at the Civil Infrastructure Engineering Department of the School of Technological Applications of the Technological Educational Institute of Thessaloniki.
2005 -2009 :	Self-Employed Researcher Civil Engineer.
2005 - 2010:	Engineering Geologist at the Engineering Geology Department of the Institute of Geology & Mineral Exploration of Greece (IGME).
2006 - 2010:	Contracted Assis. Professor at the Civil and Construction Engineering Educators Department of the School of Pedagogical and Technological Education
2007 - :	Visitor Assistant Researcher at the Department of Natural Resources and Natural Hazards of the Technical Research Center of Crete.
2010 -2014:	Lecturer at the school of Mining and Metallurgical Engineering of the National Technical University of Athens (NTUA).
2013 - :	Contracted Professor at the Hellenic Open University (HOU)
2014 - 2018:	Assistant Professor at the school of Mining and Metallurgical Engineering of the National Technical University of Athens (NTUA).
2014 - :	Contracted Professor at the Technical Education School of the Corps of Engineers of the Hellenic Army General Staff
2017 - :	Expert of the Education, Audiovisual and Culture Executive Agency (EACEA) of the European Commission. Evaluation of proposals under calls of ``ERASMUS ⁺ Capacity Building in the Field of Higher Education``.
2018 - :	Associate Professor at the school of Mining and Metallurgical Engineering of the National Technical University of Athens (NTUA).

8. RESEARCH EXPERIENCE

1. Earthquake prognosis in Greece - The Corinthian gulf site. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. V. Papazachos, (1993). Participation as junior researcher.
2. Volvi - Thessaloniki: A test site for engineering seismology, earthquake engineering and seismology. Contractor: Aristotle University of Thessaloniki, Coordinator: Assoc. Prof. P. Chatzidimitriou, (1994). Participation as junior researcher.
3. Viability study on the establishment of a natural history museum at the municipality of Axioupolis, Kilkis Prefecture, Greece. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. G. Dimopoulos, (1996). Participation as junior researcher.
4. Water resources management study of the Akropotamos region of the Pieria valley and study for the construction of an earth dam along the Marmara stream. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. G. Dimopoulos, (1996). Participation as junior researcher.
5. Research on the exploitation of the aquifers of the plane area at the West of Thessaloniki. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. G. Soulios, (1996 - 1999). Participation as junior researcher.
6. Hydrogeological study of the Mount Paiko and of the karstic springs of Aravisos. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. G. Dimopoulos, (1997 – 1999). Participation as junior researcher.
7. Egnatia Highway deviation of the city of Kavala (Section 4+937 to 9+400). Slope trenches No. O7 and O9, Contractor: Aristotle University of Thessaloniki, Coordinator: Assoc Prof. V. Christaras, (1997). Participation as junior researcher.
8. Research project on the identification and study of the sculptured artworks of the Bizantine period in monumental building of the Mount Athos Monastery state, focusing on the quality and the origin of the marble. Contractor: Aristotle University of Thessaloniki, Coordinator: Prof. Th. Pazaras, (1998). Participation as junior researcher.
9. Hydrogeological study of the Anthemounta basin. Contractor: ANATOLIKI SA, Coordinator: Ath. Nagoulis. (1998 – 1999). Participation as senior researcher.
10. Project: Study of the Larisa – Thessaloniki Highway. Section: Rapsani – Platamonas. Sub-Section: Platamonas – Skotina (geological, hydrogeological and geophysical study). Contractor – Coordinator: N. Papadopoulos (1998 – 2001). Participation as senior researcher.
11. Study of the sanitary landfill site at the NW section of the Thessaloniki (Mavrorachi II) – Geological, Hydrogeological and Geophysical Study. Contractor: ANATOLIKI SA, Coordinator: Ath. Nagoulis. (2000 – 2001). Participation as senior researcher.
12. Cadastre survey, urban planning, geological suitability and application study of the expansion of the Neo Rision village. Contractors – Coordinators: Ath. Giannakou, **C. Loupasakis**, GAIA SA, M. Pappa – Ydriotou, (2004).

13. Cadastre survey, urban planning, geological suitability and application study of the expansion of the Chortiatis village. Contractors – Coordinators: Ath. Giannakou, Ev. Aggelis, **C. Loupasakis**, (2005).
14. ``Advanced Techniques for **SEismic RISK** Reduction in Mediterranean Archipelago Regions – **SE RISK**`` under the frame of INTERREG III B ARCHIMED. Coordinator: Technological Educational Institution of Crete. Contractors: 1. Rethimnon Prefecture, 2. Department of Natural Resources and Natural Hazards of the Technical Research Center of Crete, 3. Foundation for Research and Technology of Hellas (FORTH) - Institute for Mediterranean Studies, 4. Chania Prefecture, 5. Heraklion Prefecture, 6. National Research Council of Italy - Institute of Methodologies for Environmental Analysis (CNR-IMAA), 7. Amra S.C.A.R.L. - Environmental Risk Analysis and Monitoring Limited Liability Consortium Company (Italy), 8. Geophysical Institute of Israel, 9. Earth Sciences and Seismic Engineering Center (ESSEC) of Palestine, (2006-2008). Participation as senior researcher.
15. ``Methodology Integration of EO Techniques as Operative Tool for **Land Degradation Management and Planning in MEDiterranean Areas – MILDMAP - MEDIA: A** geoenvironmental data exchange information system`` under the frame of INTERREG III B ARCHIMED. Coordinator: Region of Basilicata– Dept. of Environment and Sustainable Policy (Italy), Contractors: 1. Department of Natural Resources and Natural Hazards of the Technical Research Center of Crete, 2. Technological Educational Institution of Crete, 3. Foundation for Research and Technology of Hellas (FORTH) - Institute for Mediterranean Studies, 4. Technological Educational Institution of Athens, 5. Chania and Rethimnon Prefectures, 6. Basilicata and Calabria Prefectures, 7. National Research Council of Italy - Institute of Methodologies for Environmental Analysis (CNR-IMAA), (2006-2008). Participation as senior researcher.
16. Geotechnical study of the slope stability conditions of the restored quarry hosting the Attiko Park, Athens. Contractor: IGME, Coordinators: **C. Loupasakis**, J. Karfakis, (2005).
17. Engineering geological study of the landslide at the old mining administration building ``Palataki``, Limenaria village, Thasos Island. Under the 3rd NSRF European Community program for development. Contractor: IGME, Coordinators: **C. Loupasakis**, G. Konstantopoulou (2005).
18. Geotechnical study of the stability conditions of the cave hosting the church of Goritsis Holy Mary, Volos, Prefecture of Magnisia. Contractor: IGME, Coordinators: **C. Loupasakis**, N. Nikolaou (2005).
19. Engineering geological studies of landslide events occurring at the SE of Ioannina Prefecture. Contractor: IGME, Coordinators: P. Paschos, **C. Loupasakis**, (2006).
20. Study of the geotechnical conditions of the mining slopes of the Amyntaio open cast coal mine, along the borders with the Anargiri Village, Aetos Municipality, Florina Prefecture. Contractor: IGME, Coordinators: **C. Loupasakis** (2006).

21. Geological and geotechnical study at the potential construction site of the new power production plan of the Power Production Company of Greece at the Magira region, Geras Municipality, Lesvos Island. Contractor: IGME, Coordinators: Ad. Fotiadis, D. Galanakis, **C. Loupasakis**, P. Tsompos (2006).
22. Engineering geological study of the landslide along the Petrilou- Mouzaki road axis, nest to the Chalkiopoulo village, K. Athamanon Municipality, Karditsa Prefecture. Contractor: IGME, Coordinators: **C. Loupasakis**, G. Karfakis (2006).
23. Engineering Geological mapping of the Athens Prefecture and establishment of geotechnical data database. Contractor: IGME, Coordinators: M. Kinigalaki, N. Nikolaou, (2006). Participation as principal researcher.
24. Project: Underground Constructions in Greece. Sub-Project: Recording, evaluation, classification and coding of data related to the construction of underground constructions in Greece and establishment of a database for the management and the dissemination of the data. Under the 3rd NSRF European Community program for development. Contractor: IGME, Project Coordinators: N. Nikolaou, Sub-Project Coordinators: L. Pirgiotis, **C. Loupasakis** (2006 - 2008).
25. Engineering geological study of landslides at the Petrochori village of the Argitheia municipality, Karditsa Prefecture. Contractor: IGME, Project Coordinators: J. Karfakis, **C. Loupasakis**, (2006).
26. Geotechnical study of the stability conditions of the mining tailings of the Kirki Mine, Evros Municipality. Under the 3rd NSRF European Community program for development. Contractor: IGME, Project Coordinators: G. Konstantopoulou, **C. Loupasakis**, (2006).
27. Geotechnical Investigation for the design of the new railway line connecting Kalampaka - Ioannina - Igoumenitsa, Section: Ioannina - Igoumenitsa (Phase A). Contractors: A.D.K. Consultant Engineers, IGME, Alavanos - Athanasopoulos SA, Pantekis J., Metaxas G., (2007). Participation as principal researcher.
28. Land subsidence hazard assessment along the embankments of the Egnatia Highway due to the collapse of underground cavities. Contractor: IGME, Project Coordinators: N. Epitropou, M. Nikolaidis, Eir. Zananiri, **C. Loupasakis** (2007).
29. Holistic geological, engineering geological, hydrogeological, geochemical and geophysical investigation of the urban and sub-urban area of Nafplion city. Under the 3rd NSRF European Community program for development. Contractor: IGME, Project Coordinators: P. Tsompos, (2007). Participation as principal researcher.
30. Geotechnical study of the landslide at Alona village, Florina Prefecture. Contractor: IGME, Project Coordinators: **C. Loupasakis**, N. Spanou, (2008-2009).
31. Engineering geological and hydrogeological study at the Saint Catherine's Monastery Mount Sinai - Egypt. Contractor: IGME, Project Coordinators: P. Karmis, **C. Loupasakis**, N. Siemos, (2008).

32. Geotechnical study of the rock slopes stability at the Kavala city. Contractor: IGME, Project Coordinator: **C. Loupasakis**, (2008-2009).
33. Geotechnical study of the Anargiri Village, Aetos Municipality, Florina Prefecture. Contractor: IGME, Project Coordinators: **C. Loupasakis**, (2007 – 2010).
34. Study of the Landslide events at the Chalki Village, Korinthia Prefecture (Phase II). Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor D. Rozos, (2010 - 2011). Participation as principal researcher.
35. Restoration study of the sanitary landfill site of Andros island, Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor D. Rozos, (2011). Participation as principal researcher.
36. Terrafirma Hydro-Geological Groundwater Management Advanced Terrain Motion Service covering: Kalochori village, Thessaloniki plain (Greece). Project Coordinator: Altamira Information, Contractors: University of Firenze (UNIFI), German Aerospace Center (DLR), National Technical University of Athens (NTUA), DELTA Municipality of Greece, Coordinator of NTUA participation as Value Adders: C. Loupasakis (2012 - 2013).
37. THALIS - GEOCHARACTERIZATION - Geotechnical characterization of selected sites at Crete island by combining geophysical and geotechnical methods. Project Contractor: Research Committee - Technical University of Crete, Coordinator: Prof. A. Vafidis, Contractors: TUC, TEI Crete, NTUA, Institute of Engineering Seismology and Earthquake Engineerits (ITSAK), Foundation for Research and Technology of Hellas (FORTH) - Institute for Mediterranean Studies (2012 - 2015). Participation as coordinator of the NTUA team.
38. INDES MUSA – INnovative multi-sensor network for DEformation and Seismic Monitoring of Urban Subsidence-prone Areas. Under Bilateral Research & Technology collaboration between Greece and China 2012-2015. Project Contractor: GEOSYSTEMS HELLAS (GSH) I.T., Contractors: GEOSYSTEMS HELLAS (GSH) I.T., Institute of Engineering Seismology and Earthquake Engineerits (ITSAK), National Observatory of Athens - Geodynamic Institution (NOAIG), Beijing iSpatial Co. Ltd, (2013 - 2015). Participation as principal researcher.
39. Evaluation of the stream arrangement studies of the Pikrodafnis stream - Technical consultancy services to the Municipality of Agios Dimitrios. Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor **C. Loupasakis**, (2016).
40. Evaluation of the environmental impact of the stream arrangement works of the Pikrodafnis stream. Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor **C. Loupasakis**, (2017).
41. Technical consultancy services to the Ministry of Environment and Energy Recourses on the evaluation of the triggering factors of the landslide that took place on June 10, 2017, at the Amyntaio open cast coal mine. Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor **C. Loupasakis**, (2017).

42. Research project for the mitigation of the ground water inflow at the Hellenic Institute of Metrology located at the industrial zone of Thessaloniki. Contractor: Research Committee - NTUA, Project Coordinator: Assis. Professor **C. Loupasakis**, (2017).
43. Mapping groundwater dynamics in Al Ain, United Arab Emirates. Contractor: Research Committee - NTUA, Project Coordinator: Assoc. Professor **C. Loupasakis**, (2018-2022).
44. Short Courses Professional Program ``Natural Catastrophic Events Under Climate Change Impact``. Contractor: Research Committee of the Hellenic Open University Project Coordinator: Assoc.Professor **C. Loupasakis**, (2018-2019).

9. TEACHING EXPERIENCE

Before the completion of the Ph.D. studies

1996 – 2002 :	Soil Mechanics – Rock Mechanics (Laboratory Teaching Staff) Geology Department, Faculty of Science, A.U.Th.
1996 – 2002 :	Hydrogeology (Laboratory Teaching Staff) Geology Department, Faculty of Science, A.U.Th.
1996 – 2002 :	Ground Water Management (Laboratory Teaching Staff) Geology Department, Faculty of Science, A.U.Th.
1996 – 2002 :	Engineering Geology (Laboratory Teaching Staff) Geology Department, Faculty of Science, A.U.Th.

After the completion of the Ph.D. studies

2003 – 2005 :	Experimental Geotechnical Engineering I Department of Civil Engineering, School of Engineering, University of Thessaly
2003 – 2005 :	Soil Mechanics Civil and Structural Engineering Department, School of Technological Applications, Technological Educational Institute of Serres.
2003 – 2005 :	Rock Mechanics - Tunneling Civil Infrastructure Engineering Department, School of Technological Applications, Technological Educational Institute of Thessaloniki.
2003 – 2005 :	Engineering Geology Civil Infrastructure Engineering Department, School of Technological Applications, Technological Educational Institute of Thessaloniki.
2003 – 2005 :	Supervision of Undergraduate Thesis, Department of Civil Engineering, School of Engineering, University of Thessaly
2005 – 2006 :	Constructions & Land Use – Environment Effects MSc. Program: Geosciences and Environment - Applied and Environmental Geology Geology Department, Faculty of Science, University of Patras
2006 –2009 :	Engineering Geology Civil and Construction Engineering Educators Department, school of Pedagogical and Technological Education.

	Foundation engineering
2006 – 2010:	Civil and Construction Engineering Educators Department, School of Pedagogical and Technological Education.
As an academic staff of the NTUA	
2010 – :	Soil Mechanics & Foundation Engineering School of Mining and Metallurgical Engineering, N.T.U.A.
2010 – :	Ground Improvement Techniques School of Mining and Metallurgical Engineering, N.T.U.A.
2010 – :	Engineering Geology I School of Mining and Metallurgical Engineering, N.T.U.A.
2010 – :	Engineering Geology II School of Mining and Metallurgical Engineering, N.T.U.A.
2010 – :	Extended Practical Exercises on Applied Geology School of Mining and Metallurgical Engineering, N.T.U.A.
2010 –2018 :	Environmental Geology School of Mining and Metallurgical Engineering, N.T.U.A.
2010 – :	Supervision of 40 Undergraduate & Postgraduate Thesis at N.T.U.A.
2010 –2011 :	Geotechnical Engineering School of Survey Engineering, N.T.U.A.
2013 – :	Engineering Geology of Underground Constructions MSc. Program: Design & Construction of Underground works School of Mining and Metallurgical Engineering & School of civil Engineering, N.T.U.A.
2013 – :	Supervision of 24 Postgraduate Thesis, HOU
2013 – :	Supervision of 6 Doctoral Thesis NTUA (1 Completed)
2014 – :	Engineering Geology Technical Education School of the Corps of Engineers
2014 – 2015:	Introduction at the Natural and Anthropogenic Environment MSc. Program: Environmental Design of Infrastructure Works. School of Science and Technology of the Hellenic Open University (HOU)
2014 – 2015:	Engineering Geology I School of civil Engineering, N.T.U.A.
2014 – 2015:	Research Subjects on Geoinformation MSc. Program: Applied Geography and space managment Harokopio University of Athens (HUA)
2016 –2017:	Technology for mitigating environmental impacts MSc. Program: Environmental Design of Infrastructure Works. School of Science and Technology of the Hellenic Open University (HOU)
2017 – 2018:	Planet Earth Studies in Natural Sciences School of Science and Technology of the Hellenic Open University (HOU)
2018 – :	Environmental Design of Energy, Hydraulic and Marine Projects

MSc. Program: Environmental Design
School of Science and Technology of the Hellenic Open University (HOU)

10. PUBLICATIONS

10.1. Lecture Notes

1. B. Christaras, A. Dimitriou, E. LEMONI, **C. Loupassakis**, (1997), Laboratory and In Situ Tests in Soil Mechanics. Notes for the Courses of "Soil Mechanics - Rock Mechanics". Undergraduate Course of the 8th semester, of the School of Geology of the AUTH Aristotle University of Thessaloniki (AUTH). University printing-office of AUTH, Thessaloniki, pp 138.
2. **C. Loupasakis** (2015), Engineering Geology I, Notes for the Lectures of "Engineering Geology I". Undergraduate Course of the 7th semester, of the School of Mining and Metallurgical Engineering, N.T.U.A. University printing-office of N.T.U.A, Athens, pp 295.
3. **C. Loupasakis** (2015), Soil Mechanics and Foundation Engineering, Notes for the Courses of "Soil Mechanics and Foundation Engineering". Undergraduate Course of the 8th semester, of the School of Mining and Metallurgical Engineering, N.T.U.A. University printing-office of N.T.U.A, Athens, pp 165.
4. **C. Loupasakis** (2015), Ground Improvement Techniques, Notes for the Courses of "Ground Improvement Techniques". Undergraduate Course of the 9th semester, of the School of Mining and Metallurgical Engineering, N.T.U.A. University printing-office of N.T.U.A, Athens, pp 221.
5. **C. Loupasakis** (2016), Engineering Geology II, Notes for the Courses of "Engineering Geology II". Undergraduate Courses of the 8th semester, of the School of Mining and Metallurgical Engineering, N.T.U.A. University printing-office of N.T.U.A, Athens, pp 193.
6. **C. Loupasakis** (2018), Exercises on Engineering Geology I, Notes for the Lectures of "Engineering Geology I". Undergraduate Course of the 7th semester, of the School of Mining and Metallurgical Engineering, N.T.U.A. University printing-office of N.T.U.A, Athens, pp 104.

10.2 Books

1. B. Christaras, A. Dimitriou, E. LEMONI, **C. Loupassakis**, (2002) (second edition 2006), Laboratory and In Situ Tests in Soil Mechanics. TEE –TCG Technical Chamber of Greece, Athens, pp. 144.

10.3 Book Chapters

1. Tsangaratos P., Ilia I., Loupasakis C., (2019) Land Subsidence modelling using data mining techniques. The case study of Western Thessaly, Greece. Chapter of "Natural Hazards GIS-based Spatial Modeling Using Data Mining Techniques", Eds: Hamid Reza Pourghasemi, Mauro Rossi, Springer. Advances in Natural and Technological Hazards Research 48:79-103, https://doi.org/10.1007/978-3-319-73383-8_4.

10.3. Dissertations

1. **Loupassakis C.**, (1998), Rock mass classification and stability analysis in tunnels, M.Sc. Thesis, Department of Geology, Faculty of Sciences, AUTH, Thessaloniki, pp 241.
2. **Loupassakis C.**, (2002), Study on the Behavior of Earth Dam's Bodies by the Use of Numerical Analysis Methods, Ph.D. thesis, Thesis No 59 of the scientific annals of the Department of Geology of the Faculty of Sciences of the AUTH, Thessaloniki, pp 334.

10.4. Publications in National and International Journals

1. **Loupasakis C.**, Konstantopoulou G., (2007), A Failure Mechanism of the Fine Neogene Formations: An Example from Thasos, Greece, *Landslides: Journal of International Consortium on Landslides*, Springer, Vol. 4, No. 4, pp 351-355.
2. **Loupasakis C.**, Karfakis J., (2007), Abandoned Quarries in Urban Areas - Safety Assessment and Rational Land Planning Design, *Quarterly Journal of Engineering Geology and Hydrogeology*, Geological Society of London , Volume 41: 109-117.
3. Soupios P., **Loupasakis C.**, Vallianatos F., (2008), Reconstructing Former Urban Environments by Combining Geophysical Electrical Methods and Geotechnical Investigations – An Example from Chania, Greece, *Journal of Geophysics and Engineering*, IOP - Institute of Physics, 5 (2008) 186-194.
4. **Loupasakis C.**, Charitaras B., Dimopoulos G., Hatzigogos T., (2009), Evaluation of Plasticity Models' Ability to Analyze Typical Earth Dams' Soil Materials, *Geotechnical and Geological Engineering*, Springer Vol. 27, No. 1, pp 71-80.
5. **Loupasakis C.**, Rozos D., (2009), Land Subsidence Induced by Water Pumping in Kalochori Village (North Greece) - Simulation of the Phenomenon by Means of the Finite Element Method, *Quarterly Journal of Engineering Geology and Hydrogeology*, Geological Society of London, v. 42, No. 3; pp. 369-382.
6. **Loupasakis C.**, Konstantopoulou G., (2010), Abandoned flotation tailings ponds in the vicinity of large cities – safety assessment and protection from failure and erosion – An example from Kirki mines, Evros Prefecture, Greece. *Bulletin of Engineering Geology and the Environment*, Springer, v. 69, No. 1; pp. 63-69.
7. Kouli M., **Loupasakis C.**, Soupios P., Vallianatos F., (2010), Landslide Hazard Zonation in High Risk Areas of Rethimno Prefecture, Crete Island, Greece, *Natural Hazards*, Springer, v. 52, No. 3; pp. 599-621.
8. Sarris A., **Loupasakis C.**, Soupios P., Trigkas V., Vallianatos F., (2010) Earthquake vulnerability and Seismic risk assessment of urban areas in high seismic regions: Application to Chania City, Crete Island, Greece, *Natural Hazards*, v. 54, No 2, pp. 395-412.
9. Rozos D., **Loupasakis C.**, (2012) Land subsidence caused by the dewatering of aquifers in Greece. *Mineral Wealth* 166/2012, pp. 33-46.
10. Rozos D., Skilodimou H., **Loupasakis C.**, Bathrellos G. (2013) Application of the Revised Universal Soil Loss Equation model on landslide prevention. An example from

- N. Euboea (Evia) Island, Greece, *Environ Earth Sci*, Springer, 70:3255-3266, DOI 10.1007/s12665-013-2390-3
11. Raspini F., **Loupasakis C.**, Rozos D. and Moretti S. (2013) Advanced interpretation of land subsidence by validating multi-interferometric SAR data: the case study of Anthemountas basin (Northern Greece). *Nat. Hazards Earth Syst. Sci.*, 13, 2425–2440, DOI:10.5194/nhess-13-2425-2013.
 12. Raspini F., **Loupasakis C.**, Rozos D., Adam N. and Moretti S. (2014) Ground subsidence phenomena in the Delta Municipality region (Northern Greece): geotechnical modelling and validation with Persistent Scatterer Interferometry. *International Journal of Applied Earth Observation and Geoinformation*, Elsevier 28: 78–89.
 13. **Loupasakis C.**, Agelitsa B., Rozos D., Spanou N. (2014) Mining geohazards—land subsidence caused by the dewatering of opencast coal mines: The case study of the Amyntaio coal mine, Florina, Greece. *Natural Hazards*, Springer, 70:675–691, DOI 10.1007/s11069-013-0837-1
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41. Tzampoglou P., **Loupasakis C.** (2017) Land subsidence susceptibility and hazard mapping. The case of Amyntaio basin, Greece. Proc. of RSCy 2017 - Fifth International Conference on Remote Sensing and Geoinformation of Environment., Ed: Hadjimitsis D.,

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 43. Kaitantzian A., Parcharidis I., **Loupasakis C.** (2017) Land subsidence phenomena in urbanized areas of Attica observed by applying advanced DinSAR techniques. Proc. of RSCy 2017 - Fifth International Conference on Remote Sensing and Geoinformation of Environment., Ed: Hadjimitsis D., Themistocleous K., Michaelides S., Papadavid G., Proceedings Volume 10444, Fifth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2017); 104441K (2017); doi: 10.1117/12.2277501.
 44. Tzampoglou P., **Loupasakis C.** (2017) Updated groundwater piezometry data of the Amyntaio sub-basin and their effect on the manifestation of the land subsidence phenomena. Proceedings of the 11th Hydrogeological Conference of Greece. Vol. 1, pp. 457-466.
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 48. **Loupasakis C.**, (2019) Mining Geohazards at the Perimeter of the Amyntaio Open Pit Coal Mine, West Macedonia, Greece. In: Kallel A. et al. (eds) Recent Advances in Geo-Environmental Engineering, Geomechanics and Geotechnics, and Geohazards. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham pp 381-384, DOI: https://doi.org/10.1007/978-3-030-01665-4_88

49. Chatzicharalampous E., **Loupasakis C.**, Parcharidis I., Charalampakis M., Karathanou-Nicholaidi M.-M. (2019) Preliminary results on potential deformations occurring on slopes of major highways by analyzing Sentinel 1 images. Proc. of 4th Joint International Symposium on Deformation Monitoring (JISDM), 15-17 May 2019, Athens, Greece. Congress Proceedings' CD - Paper Number 118.

10.9. Other Scientific Publications

- Seven (7) Abstracts in Proceedings of National Conferences with Peer Review.
- Fifteen (15) Abstracts in Proceedings of International Conferences with Peer Review.
- Two (2) Engineering Geological Maps (published by the Institute of Geological and Mineralogical Exploration).
- Thirty four (36) Technical Reports.

11. REFERENCES

The above mentioned publications were referenced in more than 580 scientific publications.

12. REVIEWING ACTIVITY

Scientific Journals

1. Natural Hazards, Springer.
2. Environmental Earth Sciences, Springer.
3. Central European Journal of Geosciences, Springer.
4. Natural Hazards and Earth System Sciences, European Geosciences Union.
5. Geotechnical and Geological Engineering, Springer.
6. Geomorphology, Elsevier.
7. Earth Science Informatics, Springer.
8. Journal of Mountain Science, Springer.
9. Journal of Flood Risk Management.
10. Advances in Geosciences, EGU- Copernicus Publications.
11. Journal of Maps, Taylor & Francis.
12. Geocarto International, Taylor & Francis.
13. Natural Resources Research, Springer.
14. Mineral Wealth, Scientific Society of Mineral Wealth Technologists
15. Environmental Engineering and Management Journal, "Gh. Asachi" Technical University of Iasi, Romania.
16. Journal of Agricultural Science and Technology, Tarbiat Modares University, Tehran, Islamic Republic of Iran.

Scientific Conferences

1. XIX Congress of the Carpathian Balkan Geological Association, CBGA 2010, Thessaloniki Greece, 23-26 September 2010.

2. 12th International Congress of the Geological Society of Greece, EGE 2010, Patra, 19-22 May 2010.
3. 13th International Congress of the Geological Society of Greece "Exploration & Exploitation of Mineral Resources", Crete, 5-8 September 2013.
4. Eastern European Tunneling Conference, Athens 2014.
5. 10th International Congress of the Hellenic Geographical Society `` Geography in an era of crisis``, Thessaloniki 22-24 October 2014.
6. 14th International Congress of the Geological Society of Greece, Thessaloniki 25-27 May 2016.
7. 5th International Conference on Civil Engineering and Urban Planning (CEUP 2016) Zhangjiajie, Hunan, China, 23-26 August 2016.
8. 14th International Congress of the Geological Society of Greece, Thessaloniki, 25-27 May 2016.
9. 11th International Hydrogeological Conference of Greece, 4-6 October 2017, Athens.
10. 4th Joint International Symposium on Deformation Monitoring 2019, 15-17 May 2019, Eugenides Foundation, Athens, Greece.

13. PARTICIPATION IN CONFERENCES AND WORKSHOPS

1. 7th International Congress of the Greek Geological Society, Thessaloniki, Greece, May 25-27, 1994 (& member of the Secretariat).
2. Workshop on waste Landfills, Thessaloniki, Greece, April 7, 1995 (& member of the Secretariat).
3. Workshop on Anti-seismic Protection Policy and Measures, Thessaloniki, Greece, February 7, 1996.
4. European Research Conference of the EUROPEAN SCIENCE FOUNDATION "Natural & Anthropogenically Induced Hazards", Corinth, Greece, May 18-24, 1996.
5. International Scientific Conference "the earthquake of 13 April 1995 (Kozani-Grevena): A Scientific and Social Approach", Kozani, Greece, May 24-27, 1996.
6. Pan-Hellenic Congress of the civil engineering departments, Thessaloniki, Greece, May 14-17, 1997.
7. International Symposium of Engineering Geology and Environment, IAEG, Athens, Greece, June 23-27, 1997.
8. 29th International Congress of the International Union of Seismology and Physics of Earth's Internal, IASPEI, Thessaloniki, Greece, August 18-28, 1997 (& member of the Secretariat).
9. European Research Conference of the EUROPEAN SCIENCE FOUNDATION 'The Ecological Setting of Europe: From the Past to the Future', Castelvecchio Pascoli, Italy, September 20-25, 1997.
10. 4th Hydrogeological Congress of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Greece, November 14 – 16, 1997 (with 1 presentation & member of the Secretariat) .
11. 8th International Congress of Greek Geological Society, Patras, Greece, May 27-29, 1998 (with 1 presentation).

12. Workshop of Egnatia Odos, Department of civil engineering of AUTH & Egnatia Odos Co., Thessaloniki, Greece, April 29, 1999.
13. Workshop “The Tunnels of Egnatia Odos” Greek Commission of Tunnels and Underground Works & Egnatia Odos Co., Ioannina, Greece, October 15-16, 1999.
14. Workshop “Co-combustion of Waste Wood, Biomass, and Lignite in Industrial Boilers - Possibilities and Perspectives”, Center for Solid Fuels Technology and Applications (C.S.F.T.A.) & Chemical Processing Engineering Research Institute (C.P.E.R.I.), Thessaloniki, Greece, November 30, 1999.
15. European Research Conference of the EUROPEAN SCIENCE FOUNDATION “Natural & Anthropogenically Induced Hazards, space and time dependent hazard evaluation in complex earth systems” Acquafredda di Maratea, Italy, June 24-29, 2000.
16. European Research Conference of the EUROPEAN SCIENCE FOUNDATION Plasticity of Materials, Acquafredda di Maratea, Italy, September 16-21, 2000.
17. Workshop “European Legislative Frame for the Protection of the Environment”, Thessaloniki, Greece, March 9, 2001.
18. Workshop “Institutional Developments, Experiences and Applications of Environmental Management Systems”, Thessaloniki, Greece, June 15, 2001.
19. 9th International Congress of Greek Geological Society, Athens, Greece, September 26-28, 2001 (with 1 presentation).
20. Workshop on Hydrogeology and the Environment, Athens, September 28, 2001.
21. 6th Pan-Hellenic Congress of the Greek Geographical Organization, Thessaloniki, Greece, October 3-6, 2002.
22. 6th Hydrogeological Congress of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Greece, Xanthi, Greece, November 8 – 10, 2002.
23. 10th International Congress of Greek Geological Society, Thessaloniki, Greece, April 15-17, 2004. (with 2 presentations)
24. 5th International Symposium on Eastern Mediterranean Geology (5th ISEMG), Thessaloniki, Greece, April 14-20, 2004.
25. Workshop “Microzonic Studies – Content, objectives, implementation in Thessaloniki” by UCEG, UCETH and the Laboratory of Soil Mechanics and Foundations of the AUTH, Thessaloniki, Greece, June 4, 2004.
26. 3rd Scientific Conference on “Networking construction management in Management Engineering”, Aristotle University of Thessaloniki, Thessaloniki, Greece, September 24 – 25, 2004.
27. International seminar on Geotechnical Engineering “Design and Construction of Road and Rail Way Infrastructure”, National Technical University of Athens, Athens, Greece, December 16 – 17, 2004.
28. Workshop “Nemisref – New Geotechnical Methods on Reducing Seismic Risk in Existing Structures” IGME, Athens, Greece, September 26, 2005.
29. 7th Hydrogeological Congress of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Athens, Greece, October 4-6, 2005.

30. 2nd Workshop “Hydrology of Fractured Rock” of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Athens, October 4-6, 2005.
31. Workshop “The Contribution of Engineering Geology in the Modern Requirements of Development Projects” the Greek Committee of Engineering Geology and AGG, GEOTCG, Athens, Greece, February 15, 2006.
32. 5th Pan-Hellenic Congress of Geotechnical and Geoenvironmental Engineering of the TCG and the Greek Scientific Committee of Soil Mechanics and Foundation Engineering, Xanthi, Greece, May 31–June 2, 2006.
33. European Research Conference of the EUROPEAN SCIENCE FOUNDATION Solid/Fluid Interfaces: Complex Fluid Interfaces and Nanofluidics, Universitätszentrum Obergurgl, Austria, September 9-14, 2006.
34. Workshop “The Earthquake of Athens 7-9-99, 7 Years After, Lessons and Experiences” of E.P.P.O., Athens, Greece, September 20, 2006.
35. Workshop “Geotechnical Applications of Geosynthetic Materials” of the TCG and the Greek Association of Geosynthetic Materials, Athens, Greece, January 11, 2007.
36. Workshop “New Advanced Methods on Tunnels Excavation” of the TCG, the Greek Committee for Tunnels and Underground Projects and the Greek Association of Civil Engineers, Athens, Greece, February 1, 2007.
37. Workshop “Science and Archaeological Materials” of the Greek Archeometrics Association, Athens, Greece, May 7, 2007.
38. 11th International Congress of Greek Geological Society “The Geoenvironment Yesterday, Today and Tomorrow”, Athens, Greece, May 24-26, 2007 (with 2 presentations).
39. 8th Pan-Hellenic Congress of the Greek Geographical Society, Athens, October 4-7, 2007 (with 1 presentation).
40. Workshop “The Developments of Engineering Geology in Greece”, Athens, Greece, February 25, 2008. (with 1 presentation & member of the Organizing Committee).
41. International Congress “Geology and Water Management: Resources, Risk and Regulations (3Rs)” of the Ministry of development, the GEOTCG, WATER SUPPLY and SEWERAGE COMPANY Co. and the National Committee on planet Earth, Athens, Greece, May 30, 2008.
42. Workshop in Engineering and Environmental Geophysics of the Laboratory of Applied Geophysics (NTUA), Athens, 17-18 June 2008.
43. 8th Hydrogeological Congress of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Athens, Greece October 7-10, 2008.
44. 3rd MEM Workshop “Hydrology of Fractured Rock” of the Greek Committee for Hydrogeology of the GSG and the Association of Geologist and mineralogist of Cyprus, Athens, October 7-10, 2008.
45. 3rd Pan-Hellenic “Anti-seismic Engineering and Engineering Seismology”, of the Greek Anti-seismic Engineering Association of the TCG and the Soil Mechanics Laboratory of the NTUA, Athens, Greece, November 5 – 7, 2008.

46. Workshop “Development of the Tunnels’ Excavation and Support Machines” of the Greek Committee of tunnels and underground Works, Athens, Greece, March 20, 2009.
47. 2nd Pan-Hellenic Congress on Monument Restoration of the Association of Research and Promotion of the Scientific Restoration of Monuments – ETEPAM, Athens, Greece, May 21-24, 2009.
48. Workshop “10 Years After the Earthquake of Athens: Experiences and Lessons” of the National and Kapodistrian University of Athens, Athens, Greece, December 3-4, 2009.
49. Workshop “ASOPOS - Present & Future – an open environmental wound”, GEOTCG, Athens, Greece, April 21, 2010.
50. 12th International Congress of Greek Geological Society “Planet Earth: Geological Processes & Sustainable Development”, Patras, Greece, 19-22 May 2010. (Member of the scientific committee, Member of the chair of the session “Engineering Geology”, 5 presentations).
51. Workshop “Water Resources: an obligation to preserve and Protect” of the voluntary organization for the urban environment ECOCITY, Athens, Greece, June 29, 2010.
52. Workshop “Geology, Development & Environment – Current Situation & Prospective” of the Department of Geology and Geoenvironment, UOA, Athens, Greece, October 19, 2010.
53. Workshop “Energy Raw Materials, Mineral Wealth , Water – Environment” of the GSG and the National Hellenic Research Foundation (NHRF), Athens, Greece, May 18, 2011.
54. Workshop “Lawful Frame of Safety of Dams: International Experiences and the Proposal of the GCBD” of the Greek Committee of Big Dams, Athens, Greece, June 7, 2011.
55. Slope Stability 2011, the International Symposium on Rock Slope Stability in Open Pit Mining and Civil Engineering της CARMA - Canadian Rock Mechanics Association, 18-21 September 2011, Vancouver, Canada (With 1 publication).
56. Workshop “The contribution of Engineering Geology at the development and infrastructure works of northern Greece” της Hellenic commission of Engineering Geology of GSG, Thessaloniki, 14 October 2011 (Member of the organizing committee).
57. European Research Conference of the EUROPEAN SCIENCE FOUNDATION “Understanding Extreme Geohazards: The Science of the Disaster Risk Management Cycle”, Sant Feliu de Guixols, Spain, 27 November - 2 December 2011 (with 1 poster presentation).
58. Workshop “Geology as a science supporting development: public works – water – geothermal fields and environment” GSG - GEOTCG. Larisa, 7 March 2012 (invited speaker).
59. International Congress of ESA - European Space Agency “International Forum on Satellite Earth Observation for Geo-Hazards Risk Management” 21-23 May 2012, Santorini, Greece.
60. International Congress “International Conference of Installation Effects in Geotechnical Engineering” Delft Tech. University, Rotterdam, The Netherlands, 24-27 March 2013.

61. 13^o International Congress of Greek Geological Society ``Exploration & Exploitation of Mineral Resources``, Chania, 5-8 September 2013. (Member of the scientific committee, Member of the chair of the session “Engineering Geology”, 6 presentations).
62. Workshop ``Anti-seismic Monuments Protection `` OASP & ESPFE, Athens, 2 December 2013.
63. International Congress ``IAEG2014 - Engineering Geology for Society and Territory``. Torino Italy, 15-19 September 2014 (With 1 publication).
64. 10th International Congress of the Hellenic Geographical Society `` Geography in an era of crisis``, Thessaloniki 22-24 October 2014 (Convener of special session, Member of the Scientific committee, 3 publications).
65. RSCy 2015 ``Third International Conference on Remote Sensing and Geoinformation of Environment`` Paphos, Cyprus, 16-19 March 2015 (with 2 publications).
66. EGU General Assembly 2015, Vienna, Austria, 12 – 17 April 2015 (With 4 publications).
67. Workshop ``Engineering Geology: Development projects and scientific Subjects`` της Greek National Group of IAEG, Athens, 28 May 2015 (Member of the organizing committee, with 1 oral presentation).
68. 11th EURO-conference on Rock Physics and Geomechanics 2015, 6–11 September 2015, Ambleside, Lake District (with 1 publication).
69. 2^o Environmental Conference of Thessaly, 26 - 28 September 2015, Skiathos (with 2 oral presentations).
70. 2nd International Workshop on Coastal Subsidence, Venice, Italy, May 30th – June 1st, 2016 (with 1 oral presentation)