

**EXTENDED
CURRICULUM VITAE**

KONSTANTINOS A. TSANAKAS

Geographer, Ph.D. in Geomorphology

December, 2022

1. PERSONAL INFORMATION

Name: **Konstantinos A. Tsanakas**
Date of Birth: 19 April 1983
Place of Birth: Katerini
Nationality: Greek
Marital Status: Single
Military Service: Fullfilled
Address: 5 Sarantaporou St., Katerini, Zip Code: 60100
Mobile: +306986909443
e-mail: ktsanakas@hua.gr

2. EDUCATIONAL BACKGROUND

2005: Bachelor in Geography

Department of Geography, Harokopio University of Athens

Grade: 7.0

2009: Masters in “Geography and Environment”

Department of Geography and Climatology, Faculty of Geology and Geoenvironment, National and Kapodistrian University of Athens

Thesis Title: “**Geomorphic study of the broader Livanates – Agios Konstantonos area focusing on the coastal zone**”.

Grade: 9.5

2017: Ph.D in Geomorphology

Department of Geography and Climatology, Faculty of Geology and Geoenvironment, National and Kapodistrian University of Athens

Dissertation Title: “**Geomorphic – Environmental study and geomorphic hazards assesment in the broader area of Pieria Mtns**”.

Supervisor: Prof. K. Gaki - Papanastaiou

Grade: “Excellent”

3. LANGUAGES

English: Full professional proficiency in oral and written speech, and in writing scientific documents in relevant disciplines.

German: Moderate proficiency in oral and written speech, and in writing scientific documents in relevant disciplines.

4. SCIENTIFIC SKILLS

- Sediment coring, sampling for ¹⁴C and OSL dating
- Granulometric analysis (mechanical sieving - Mastersizer)
- Geomorphological mapping utilizing state of the art techniques (GPS, DGPS, UAV images and LIDAR data).

- GIS and remote sensing techniques (software: ArcGIS, MapInfo, QGIS, ERDAS IMAGINE, ENVI, Idrisi GIS).
- Marine terraces mapping and modelling (software: TerraceM – Matlab interface)
- Digital image processing (software: Corel Draw, Corel Photo Paint, AutoCAD).

5. TRAINING – SEMINARS

- 5.01 2002:** “Introduction to Databases and Graphics”. Harokopio University of Athens, Greece.
- 5.02 2003:** “Natural Disaster Management Systems”. **Harokopio University of Athens, Greece.**
- 5.03 2003:** “Sea-level Changes in Eastern Mediterranean during Holocene. Indicators and Human Impacts”. **Harokopio University of Athens, Greece.**
- 5.04 2006 – 2008:** Field work training: “Failles vivantes - Living Faults”, **Institut de Physique du Globe de Paris**
- 5.05 2012:** Conference training program entitled: "Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier", **Salerno – Cilento & Vallo di Diano Geopark, Italy**
- 5.06 2022:** Training on marine terraces mapping and modelling using TerraceM at the **Institute of Geosciences of the University of Potsdam**
- 5.07 2022:** Training on applied geomorphology at the **University of Turin**. Erasmus+ (STT)

6. PROFESSIONAL APPOINTMENTS

- 2004:** Technical Support for Broadband Network, **OTENET**, OTE Group of Companies.
- 2010 - 2012:** Freelance for collecting statistical data, **Hellenic Statistical Authority**
- 2015 - 2016:** Office staff and drilling technician, **Okeanos LTD**
- 2017 - 2019:** Geographic data management by use of Geographic Information System In Integrated Administration and Control System (IACS) of the Greek Payment Authority of Common Agricultural Policy (C.A.P.) Aid Schemes, **Agrogenesis – Arogin**
- 2018 - 2019:** Lecturer (P.O. 407/80) **Geography department**, Harokopio University of Athens

2019 – Present: Lecturer (National Strategic Reference Framework for “Acquisition of Academic Teaching Experience in Young Scientists Holding a Doctorate 2019-2020”) **Geography department**, Harokopio University of Athens

7. SCIENTIFIC EXPERTISE

Fluvial geomorphology, Coastal geomorphology, Tectonic geomorphology, Quaternary geology, Geomorphological mapping, Holocene reconstruction of coastal plains, Sea-level fluctuations, Geomorphological hazards (flash floods, sea-level rise, coastal erosion), Morphotectonics, Morphometric analysis

8. SCHOLARSHIPS – AWARDS

- 8.01 2011: Special Account for Research Funding (E.L.K.E.) of National and Kapodistrian University of Athens:** Three-year scholarship amounting to 18,000 Euro allocated for the Ph.D. dissertation.
- 8.02 2012: University of Salerno, Italy:** Young geomorphologists scholarship for attending the pre-conference training program, entitled "Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier", Salerno – Cilento & Vallo di Diano Geopark, Italy.
- 8.03 2017: Outstanding Poster Presentation:** 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation, MEDCOAST, Malta, 2017
- 8.04 2020: Education and lifelong learning (ΕΔΒΜ103) scholarship “Researcher support with an emphasis on young researchers”** for the elaboration of the project **“Beachrock Formation Mechanism Using Multiproxy Experimental Data from Natural and Artificial Beachrocks: Insights for a Potential Soft Engineering Method”**.
- 8.05 2022: Institute of Geosciences, University of Potsdam** scholarship allocated for training on marine terraces mapping and modelling.

9. TEACHING EXPERIENCE

9.1 Independent academic teaching

- 9.1.01 2018: Lecturer (P.O. 407/80).** Teaching the theoretical and laboratory components of the **Geomorphology** course of the undergraduate program of the department of Geography, Harokopio University of Athens. Creating course material and organizing a field trip for the students.
- 9.1.02 2019: Lecturer (P.O. 407/80).** Teaching the theoretical and laboratory components of the **Geomorphology** course of the undergraduate program of the department of Geography, Harokopio University of Athens. Creating course material and organizing a field trip for the students.

- 9.1.03 2019-2020:** Teaching the theoretical and laboratory components of the **Geomorphology, Fluvial Geomorphology** and **Quaternary Geomorphology** courses, in the framework of the National Strategic Reference Framework for “Acquisition of Academic Teaching Experience in Young Scientists Holding a **Doctorate 2019-2020**” at **Harokopio University of Athens**
- 9.1.04 2020-2021:** Teaching the theoretical and laboratory components of the **Geomorphology, Fluvial Geomorphology** and **Quaternary Geomorphology** courses, in the framework of the National Strategic Reference Framework for “Acquisition of Academic Teaching Experience in Young Scientists Holding a **Doctorate 2020-2021**” at **Harokopio University of Athens**
- 9.1.05 2021-2022:** Teaching the theoretical and laboratory components of the **Geomorphology, Fluvial Geomorphology** and **Quaternary Geomorphology** courses, in the framework of the National Strategic Reference Framework for “Acquisition of Academic Teaching Experience in Young Scientists Holding a **Doctorate 2021-2022**” at **Harokopio University of Athens**
- 9.1.06 2022-2023:** Teaching the theoretical and laboratory components of the **Geomorphology, Fluvial Geomorphology** and **Quaternary Geomorphology** courses, in the framework of the National Strategic Reference Framework for “Acquisition of Academic Teaching Experience in Young Scientists Holding a **Doctorate 2022-2023**” at **Harokopio University of Athens**

9.2 Lectures

- 9.2.01 2017:** Lecture entitled: “**Coastal geomorphic hazards**”, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.
- 9.2.02 2018:** Lecture entitled: “**The role of Geomorphology in the identification of phenomena linked to natural disasters during the Quaternary**”, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.
- 9.2.03 2019:** Lecture entitled: “**The role of Geomorphology in the identification of phenomena linked to natural disasters during the Mid-Late Holocene**”, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.
- 9.2.04 2020:** Lecture entitled: “**Mega Floods during the Late PLaistocene. The case of Channeled Scablands**”, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.

9.2.05 2021: Lecture entitled: **“Palaeogeographic reconstruction of coastal plain – Its role in the identification of palaeotsunamis”**, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.

9.2.06 2022: Lecture entitled: **“Palaeotsunami or storm surge”**, given in Postgraduate Programme “Applied Geography and Spatial Planning”, stream: Management of Natural and Human Induced Disasters, in the Geography department, Harokopio University of Athens.

9.3 Teaching experience as a Masters’ student (until 2008) and as a Ph.D. candidate (until 2016)

9.3.01 2006: Teaching Assistant for the **“Geomorphology”** course, for the undergraduate program of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.02 2006: Teaching Assistant for the **“Coastal Geomorphology”** course, for the undergraduate program of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.03 2007: Teaching Assistant for the **“Geomorphology”** course, for the undergraduate program of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.04 2007: Teaching Assistant for the **“Coastal Geomorphology”** course, for the undergraduate program of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.05 2008: Teaching Assistant for the **“Geomorphology”** course, for the undergraduate program of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.06 2008-2011: Teaching Assistant for the **“Fluvial Geomorphology”** course, for the postgraduate program “Crises Management, Mass Disasters and Emergency” of the department of Nursing of the National and Kapodistrian University of Athens.

9.3.07 2008-2012: Teaching Assistant for the **“Natural Hazards”** course, for the postgraduate program “Crises Management, Mass Disasters and Emergency” of the department of Nursing of the National and Kapodistrian University of Athens.

9.3.08 2009-2016: Teaching Assistant for the **“Fluvial Geomorphology”** course, for the postgraduate program “Geography and Environment” of the department of Geology and Geoenvironment of the National and Kapodistrian University of Athens.

9.3.09 2016: Teaching Assistant in the field trip training course “**Failles vivantes - Living Faults**”- Institut de Physique du Globe de Paris in cooperation with National and Kapodistrian University of Athens

10. ACADEMIC ACTIVITY

10.1 Participation in scientific conferences’ organizing committees

2019: Member of the organizing and scientific committee of the training school of the “Regional conference on Geomorphology, Athens 2019” of the International Association of Geomorphologists

2021: Member of the organizing committee of the online One-day Conference «The role of Geomorphology in modern society» of the Hellenic Committee for Geomorphology and Environment of the Geological Society of Greece

2021: Member of the organizing committee of the online One-day Conference «Women in Geomorphology: A Mediterranean perspective» of the Hellenic Committee for Geomorphology and Environment of the Geological Society of Greece

2022: Member of the scientific committee of the scientific conference “22 years of Geographies, Crisis, Resistance, Perspectives

10.2 Participation in Undergraduate Thesis Committees

2018-today: Participation in several Advisory and Examination Undergraduate Thesis Committees at the Geography Department, Harokopio University of Athens

10.3 Participation in Scientific Committees and Associations

2006-today: Regular member of the **Geological Society of Greece**

2006-today: Regular member of the **Hellenic Committee for Geomorphology and Environment** of the Geological Society of Greece

2012-today: Regular member of the **European Geosciences Union**

2012-today: Founding member of the **Hellenic Geomorphological Society**

2014-today: Member of the **Working Group on Tectonic Geomorphology** of the International Association of Geomorphologists

2022-2026: Co-chair of the **Working Group on Tectonic Geomorphology** of the International Association of Geomorphologists

11. RESEARCH PROJECTS

- 11.01 2005-2007:** Participation in the research project: “**Lacustrine records of local environmental and tectonic change in the Stymfalia wetlands, southern Greece**” in collaboration with the University of Brighton, Department of Environmental Science
- 11.02 2005-2007:** Participation in the research project: “**Coastal sedimentary records of tsunami activity in the Kynos area, northern Gulf of Euboea**” in collaboration with the University of Brighton, Department of Environmental Science
- 11.03 2006-2007:** Participation in the research project: “**Palaeogeographic – geomorphological study of the Agia Kiriaki and Argostoli bays, Cephalonia Island**” of the National and Kapodistrian University of Athens.
- 11.04 2006-2008:** Participation in the research project: «**Undergraduate Curriculum Reform of the Faculty of Geology and Geoenvironment of the National and Kapodistrian University of Athens.**»
- 11.05 2012-2015:** Participation in the research project: “**An investigation of the impact of the climate change on river deltas. Case study the Delta of Pinios River (Thessaly, Greece) (Daphne)**” of THALIS (<http://en.thalis-daphne.geol.uoa.gr/>)
- 11.06 2020-2021:** Participation in the research project: “**Beachrock Formation Mechanism Using Multiproxy Experimental Data from Natural and Artificial Beachrocks: Insights for a Potential Soft Engineering Method**”. Education and lifelong learning “**Researcher support with an emphasis on young researchers**”.

12. PARTICIPATION IN SCIENTIFIC CONFERENCES

- 2002:** 6th Panhellenic Conference on Geography, 2002, Thessaloniki, Greece
- 2002:** 2nd Panhellenic Conference on Management and Improvement of Coastal Zones, Athens, Greece
- 2004:** 10th International Conference of the Geological Society of Greece, Thessaloniki, Greece
- 2004:** 5th International Symposium on Eastern Mediterranean Geology, Θεσσαλονίκη
- 2004:** 7th Panhellenic Conference on Geography, Lesvos, Greece
- 2005:** 1st one day Conference of the Committee for Geomorphology and Environment of the Geological Society of Greece
- 2005:** 7th Panhellenic Conference on Hydrogeology of the Committee for Hydrogeology of the Geological Society of Greece

2005: 3rd Panhellenic Conference on Management and Improvement of Coastal Zones, Athens, Greece

2006: HAZARDS 2006: The 11th International Symposium on Natural and Human Induced Hazards, Patras, Greece

2007: 8th Panhellenic Conference on Geography, Athens, Greece

2007: 2nd one day Conference of the Committee for Geomorphology and Environment of the Geological Society of Greece

2007: 11th International Conference of the Geological Society of Greece, Athens, Greece

2008: 8th Panhellenic Conference on Hydrogeology of the Committee for Hydrogeology of the Geological Society of Greece

2008: 3rd one day Conference of the Committee for Geomorphology and Environment of the Geological Society of Greece

2009: 7th International Conference of the International Association of Geomorphologists, Australia, Melbourne

2010: 12th International Congress of the Geological Society of Greece. Patra, Greece

2012: European Geosciences Union, General Assembly, Vienna

2012: 16th Joint Geomorphological Meeting, Morphoevolution of tectonically active belts, Rome

2012: International Workshop on Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier, Salerno - Cilento & Vallo di Diano Geopark, Italy

2013: 8th IAG International Conference on Geomorphology, Paris

2014: European Geosciences Union, General Assembly, Vienna

2015: European Geosciences Union, General Assembly, Vienna

2015: IAG/AIG Regional Conference "Gradualism vs catastrophism in landscape evolution" Barnaul, Russia

2016: European Geosciences Union, General Assembly, Vienna

2017: 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation, MEDCOAST, Malta

2017: 9th International Conference on Geomorphology of the International Association of Geomorphologists (IAG), New Delhi

2019: 15th International Congress of the Geological Society of Greece, Athens

2019: Regional conference on geomorphology, Geomorphology of Climatically and Tectonically Sensitive Areas. International Association of Geomorphologists (IAG), Athens

2020: 7th International Conference on Civil Protection and new technologies, Safe Greece (Online)

2021: Online One-day conference: “The role of Geomorphology in modern society”. Committee for Geomorphology and Environment of the Geological Society of Greece.

2021: Online One-day conference: “Women in Geomorphology – A Mediterranean perspective”. Committee for Geomorphology and Environment of the Geological Society of Greece.

2021: European Geosciences Union (EGU) General Assembly (Online)

2021: Online Geography Conference “Geography in a changing world”

2021: 2nd Neptune International Workshop “Collapse into now – a glimpse into the past, a step into the future”, online,

2022: International Association of Geomorphologists Webinar, Central-Eastern Europe

2022: European Geosciences Union (EGU) General Assembly (Online)

2022: 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

2022: 9th International Conference on Civil Protection and new technologies, Safe Thessaloniki, Thessaloniki, Greece

2022: 16th International Congress of the Geological Society of Greece, Patras, Greece

2022: 22 Years of Geographies, Crisis, Resistance, Perspectives, Athens Greece

13. SCIENTIFIC PUBLICATIONS

13.1 Dissertations

13.1.01 2009 K. Tsanakas “Geomorphic study of the broader Livanates – Agios Konstantonos area focusing on the coastal zone”. Master Thesis

13.1.02 2017 K. Tsanakas “Geomorphic – Environmental study and geomorphic hazards assesment in the broader area of Pieria Mtns”. **PhD Dissertation**

13.2 Publications in peer review international scientific journals

13.2.01 E. Karymbalis, D. Papanastassiou, K. Gaki-Papanastassiou, **K. Tsanakas**, H. Maroukian (2013) Geomorphological study of Cephalonia Island, Ionian Sea, Western Greece. Journal of Maps, 9(1), 121-134

13.2.02 D. Papanastassiou, A. Cundy, K. Gaki - Papanastassiou, M. Frogley, **K. Tsanakas**, H. Maroukian (2014) The uplifted terraces of the Arkitsa region, NW Evoikos

Gulf, Greece: A result of combined tectonic and volcanic processes? *The Journal of Geology*, 122(4), 397-410 DOI: 10.1086/676595

13.2.03 K. Tsanakas, K. Gaki-Papanastassiou, K. Kalogeropoulos, C. Chalkias, P. Katsafados, E. Karymbalis (2016) Investigation of flash flood natural causes of Xirolaki Torrent, Northern Greece based on GIS modeling and geomorphological analysis. *Nat Hazards*, 84(2), 1015-1033 doi:10.1007/s11069-016-2471-1

13.2.04 E. Karymbalis, K. Gaki-Papanastassiou, **K. Tsanakas**, M. Ferentinou (2016) Geomorphology of the Pinios River delta, Central Greece. *Journal of Maps*, 12,12-21 DOI: 10.1080/17445647.2016.1153356

13.2.05 E. Karymbalis, K. Valkanou, I. Tsodoulos, G. Iliopoulos, **K. Tsanakas**, V. Batzakis, G. Tsironis, C. Gallousi, K. Stamoulis, K. Ioannides (2018) Geomorphic Evolution of the Lilas River Fan Delta (Central Evia Island, Greece). *Geosciences*, 8, 10.

13.2.06 K. Tsanakas, E. Karymbalis, A. Cundy, K. Gaki-Papanastassiou, D. Papanastassiou, H. Drinia, E. Koskeridou, H. Maroukian (2019) Late Holocene geomorphic evolution of the Livadi coastal plain, Gulf of Argostoli, Cephalonia Island, western Greece. *Geografia Fisica e Dinamica Quaternaria*, 42(1), 43–59

13.2.07 K. Tsanakas, E. Karymbalis, K. Gaki – Papanastassiou, H. Maroukian (2019) Geomorphology of the Pieria Mtns, Northern Greece. *Journal of Maps*, 15(2), 499-508, DOI: 10.1080/17445647.2019.1619630

13.2.08 D.-V. Batzakis, L.-M. Misthos, G. Voulgaris, **K. Tsanakas**, M. Andreou, I. Tsodoulos and E. Karymbalis (2020) Assessment of Building Vulnerability to Tsunami Hazard in Kamari (Santorini Island, Greece). *Journal of Marine Science and Engineering*, 8(11), 1-18,886 DOI: [10.3390/jmse8110886](https://doi.org/10.3390/jmse8110886)

13.2.09 E. Karymbalis, **K. Tsanakas**, A. Cundy, G. Iliopoulos, P. Papadopoulou, D. Protopappas, K. Gaki-Papanastassiou, D. Papanastassiou, D.-V. Batzakis, V. Kotinas, H. Maroukian (2021) Late Holocene palaeogeographic evolution of the Lihoura coastal plain, Pteleos Gulf, Central Greece. *Quaternary International*, <https://doi.org/10.1016/j.quaint.2021.12.007>

13.2.10 A. Tsatsaris, K. Kalogeropoulos, N. Stathopoulos, P. Louka, **K. Tsanakas**, D.E. Tsesmelis, V. Krassanakis, G.P. Petropoulos, V. Pappas and C. Chalkias (2021) Geoinformation Technologies in Support of Environmental Hazards Monitoring under Climate Change: An Extensive Review. *ISPRS International Journal of Geoinformation*, 10(2), 94. <https://doi.org/10.3390/ijgi10020094>

13.2.11 E. Karymbalis, M. Andreou, D.-V. Batzakis, **K. Tsanakas**, S. Karalis (2021) Integration of GIS-Based Multicriteria Decision Analysis and Analytic Hierarchy Process for Flood-Hazard Assessment in the Megalo Rema River Catchment (East Attica, Greece). *Sustainability*, 13(18), 10232. <https://doi.org/10.3390/su131810232>

13.2.12 E. Karymbalis, **K. Tsanakas**, I. Tsodoulos, K. Gaki-Papanastassiou, D. Papanastassiou, D.-V. Batzakis, K. Stamoulis (2022) Late Quaternary Marine Terraces and Tectonic Uplift Rates of the Broader Neapolis Area (SE Peloponnese, Greece). *Journal of Marine Science and Engineering*, 10(1), 99, <https://doi.org/10.3390/jmse10010099>

13.2.13 G. Saitis, A. Karkani, E. Koutsopoulou, **K. Tsanakas**, S. Kawasaki., N. Evelpidou (2022) Beachrock Formation Mechanism Using Multiproxy Experimental Data from Natural and Artificial Beachrocks: Insights for a Potential Soft Engineering Method. *Journal of Marine Science and Engineering*, 10(1), 87, doi:10.3390/jmse10010087

13.2.14 **K. Tsanakas**, E. Karymbalis, K. Gaki-Papanastassiou, H. Maroukian, E. Koskeridou, A. Cundy, D. Papanastassiou, D.-V. Mpatzakis, M. Andreou (2022) Palaeogeographic evolution of Alykes lagoon, Pydna, Northern Greece during the Holocene, based on geomorphological and sedimentological data. *Zeitschrift für Geomorphologie*, 63(2-3), 219-231, doi: 10.1127/zfg/2021/0706

13.2.15 S. Karalis, E. Karymbalis, **K. Tsanakas** (2022) Estimating total sediment transport in a small, mountainous torrent, Vouraikos River, NW Peloponnese, Greece. *Zeitschrift für Geomorphologie*, 63(2-3), 279-293, doi: 10.1127/zfg/2021/0719

13.2.16 E. Karymbalis, C. Gallousi, A. Cundy, **K. Tsanakas**, K. Gaki-Papanastassiou, I. Tsodoulos, V.-D. Batzakis, D. Papanastassiou, I. Liapis, H. Maroukian (2022) Long-Term spatial and temporal shoreline changes of the Evinos River delta, Gulf of Patras, Western Greece. *Zeitschrift für Geomorphologie*, 63(2-3), 141-155-293, doi: 10.1127/zfg/2021/0684

13.2.17 E. Karymbalis, M. Ferentinou, G. Fubelli, P. Giles, **K. Tsanakas**, K. Valkanou, D.-V. Batzakis, S. Karalis (2022) Classification of Trichonis Lake graben (Western Greece) alluvial fans and catchments using geomorphometry and artificial intelligence. *Zeitschrift für Geomorphologie*, 63(2–3), 295-312, doi: 10.1127/zfg/2022/0748

13.2.18 E. Karymbalis, **K. Tsanakas**, A. Karkani, N. Evelpidou (2022) Tectonics and sea-level fluctuations. *Journal of Marine Science and Engineering*, 10(3), 334 doi: 10.3390/jmse10030334

13.2.19 **K. Tsanakas**, G. Saitis, N. Evelpidou, E. Karymbalis, A. Karkani (2022) Late Pleistocene geomorphic evolution of Cephalonia Island, Western Greece, inferred from uplifted marine terraces. *Quaternary* 5(3), 35 <https://doi.org/10.3390/quat5030035>

13.2.20 K. Valkanou, E. Karymbalis, G. Bathrellos, H. Skilodimou, **K. Tsanakas**, D. Papanastassiou, K. Gaki – Papanastassiou (2022) Soil loss potential assessment for natural and post-fire conditions in Evia Island, Greece. *Geosciences* 2022, 12, 367. <https://doi.org/10.3390/geosciences12100367>

13.3 Publications in peer review Greek scientific journals

13.3.01 K. Lazogiannis, S. Poulos, D. Giannouli, D. Sifnioti, **K. Tsanakas**, A. Tsoutsia, S. Dilalos, G. Gionis, E. Vassilakis, S. Petrakis, D. Tarasi, G. Terezakis (2015) «Morphological changes along the coastline of the delta of River Pinios (Thessaly, Greece) *Geographies*, 26, 51-58

13.3.02 **K. Tsanakas** (2006) «Geomorphological study and investigation of anthropogenic interference along the coastal zone of Pieria, Pieria, Greece *Geographies*, 12, 147-151

13.4 Publications in Greek and International Conferences' Proceedings

13.4.01 K. Tsanakas, E. Karymbalis, I. Parharidis (2005) Shoreline changes along part of the coastal zone of Pieria and assessment of the future sea level rise impacts. Conference proceedings of the Committee for Geomorphology and Environment, Thessaloniki, Greece. Bulletin of the Geological Society of Greece XXXVIII.

13.4.02 K. Gaki - Papanastassiou, E. Karymbalis, H. Maroukian, K. Tsanakas (2010) Geomorphic Evolution of Western (Paliki) Kefhalonia Island (Greece) during the Quaternary. Proceedings of the 12th International Congress, Patras. Bulletin of the Geological Society of Greece, 43, 418-427.

13.4.03 K. Tsanakas, K. Gaki-Papanastassiou, S.E. Poulos, H. Maroukian (2010) Geomorphology and Sedimentological Processes along the Coastal Zone between Livanates and Agios Konstantinos (N. Evoikos Culf, Central Greece). Proceedings of the 12th International Congress. Bulletin of the Geological Society of Greece, 43.

13.4.04 K. Tsanakas, K. Gaki-Papanastassiou, H. Maroukian (2012) Geomorphic Markers of a Neogene Deltaic Fan: the Case of Aliakmonas River, Northern Greece. 16th Joint Geomorphological Meeting Morphoevolution of tectonically active belts. Rome, Italy

13.4.05 K. Lazogiannis, S. Poulos, D. Giannouli, D. Sifnioti, K. Tsanakas, A. Tsoutsia, S. Dilalos, G. Ghionis, S. Petrakis (2014) Study of the morphodynamic procedures of the Pinios delta beach zone. 10th International Congress of the Hellenic Geographical Society, At Thessaloniki, Greece, Volume: p.p. 414-416

13.4.06 K. Lazogiannis, V. Paraskevopoulou, S. Poulos, X. Teou, S.Kotsopoulos, E. Farsinotou, G. Ghionis, I. Matiatos, A. Panagopoulos, D. E. Sifnioti, D.I. Giannouli, K. Tsanakas, M. Dassenakis, P. Drakopoulos, F. Botsou, I. Alexiou, J.D. Alexopoulos (2014) Seasonal variation of water discharge and suspended sediment concentration of the Pinios River (Thessaly) during the hydrological year 2012/13. 12th International Conference on Protection and Restoration of the Environment, Skiathos, Greece

13.4.07 E. Karymbalis, K. Gaki-Papanastassiou, D. Papanastassiou, I. Tsodoulos, N. Tsvigoulis, K. Tsanakas, K. Valkanou (2015) Quaternary Uplifted Shorelines of the Broader Area of Cape Maleas - Neapolis - Elafonissos Isl. (SE Peloponnese, Greece) Proceedings of the Regional Conference of the International Association of Geomorphologists (IAG) "Gradualism vs Catastrophism in Landscape Evolution, Barnaul, Publishing House of Altai State University: 86-88.

13.4.08 G. Fubelli, K. Tsanakas, E. Karymbalis (2015) Competition Between Active Tectonism and River Incision: The Case of Klissoura Gorge, Central Greece Proceedings of the Regional Conference of the International Association of Geomorphologists (IAG) "Gradualism vs Catastrophism in Landscape Evolution, Barnaul, Publishing House of Altai State University: 83-86.

13.4.09 K. Tsanakas, S.E. Poulos, I. Monioudi (2017) Sea level rise impact on the beach zone of Katerini region, NW Aegean Sea. proceedings: 15th International Conference on Environmental Science and Technology, Rhodes, Greece.

13.4.10 E. Karymbalis, K. Valkanou, I. Tsodoulos, G. Iliopoulos, **K. Tsanakas**, V. Batzakis, G. Tsironis and C. Gallousi (2017) Geomorphology of the Lilas River Fan Delta (Central Evia, Greece). 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation. Malta

13.4.11 E. Karymbalis, C. Gallousi, A. Cundy, K. Gaki-Papanastassiou, I. Tsodoulos, **K. Tsanakas**, V.D. Batzakis, D. Papanastassiou, I. Liapis, H. Maroukian (2019) Assessment of the Evinos Delta Recent Shoreline Changes (Gulf of Patras, Western Greece). 15th International Congress of the Geological Society of Greece, Athens. Bulletin of the Geological Society of Greece, Sp. Pub. 7.

13.4.12 D.V. Batzakis, L.M. Misthos, G. Voulgaris, I. Tsodoulos, **K. Tsanakas**, M. Andreou, E. Karymbalis (2019) Assessing Building Vulnerability to Tsunami Hazard in Kamari, Santorini, Greece. 15th International Congress of the Geological Society of Greece, Athens. Bulletin of the Geological Society of Greece, Sp. Pub. 7.

13.4.13 M. Andreou, D.-V. Batzakis, **K. Tsanakas**, S. Karalis, E. Karymbalis (2020) Flood Hazard Assessment in Megalo Rema (Rafina) Drainage Basin (East Attica, Greece). SafeGreece 2020 on-line Proceedings, 245-248, ISSN 2654-1823.

13.4.14 M. Andreou, D.-V. Batzakis, **K. Tsanakas**, S. Karalis, E. Karymbalis (2021) Flood Hazard Assessment in Megalo Rema (Rafina) Drainage Basin (East Attica, Greece) (In Greek). Book of Proceedings of the Online one-day Conference “The Role of Geomorphology in Modern Society”. Bulletin of the Geological Society of Greece, Special Publication No 8, 196-200. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

13.4.15 P. Christodoulou, **K. Tsanakas**, E. Karymbalis, M. Andreou, D.-V. Batzakis, D. Papanastassiou, K. Gaki-Papanastassiou (2021) Mapping of uplifted marine terraces on the eastern coast of Messiniakos Gulf, Peloponnese, Southern Greece. Book of Proceedings of the Online one-day Conference “The Role of Geomorphology in Modern Society”. Bulletin of the Geological Society of Greece, Special Publication No 8, 91-95. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

13.4.16 E. Nikoli, E. Karymbalis, **K. Tsanakas** (2021) Geomorphological study of the alluvial fans of Olympus Mt. applying GIS techniques. Proceedings of the Online one-day Conference “The Role of Geomorphology in Modern Society”. Bulletin of the Geological Society of Greece, Special Publication No 8, 91-95. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

13.5 Greek and International Conferences presentations

13.5.01 K. Gaki Papanastassiou, E. Karymbalis, H. Maroukian, D. Papanastassiou, **K. Tsanakas** (2009) Quaternary evolution of southern Kefhalonia island (western Greece) based on geomorphological observations. 7th International Conference of the International Association of Geomorphologists, Melbourne, Australia

13.5.02 K. Gaki-Papanastassiou, A. Cundy, **K. Tsanakas**, M. Frogley, D. Papanastassiou, H. Maroukian (2009) Geomorphological – morphotectonic study of the southern

shores of North Evoikos Gulf, central Greece. 7th International Conference of the International Association of Geomorphologists, Melbourne, Australia

13.5.03 K. Gaki-Papanastassiou, E. Karymbalis, H. Maroukian, K. Tsanakas (2011) Geomorphological study of Cephalonia Island, Ionian Sea, western Greece. IAG/AIG Regional Conference. Geomorphology for human adaptation to changing tropical environments. Abstract Volume. p.69

13.5.04 K. Tsanakas, K. Gaki-Papanastassiou, H. Maroukian, A. Cundy, D. Papanastassiou, and E. Koskeridou (2012) Palaeogeographic evolution of Alykes lagoon, Pydna, Northern Greece during the Holocene, based on geomorphological and sedimentological data. European Geosciences Union General Assembly

13.5.05 K. Tsanakas, K. Gaki - Papanastassiou, H. Maroukian (2012) Geomorphological Map of the broader area of Pieria mountains. Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier, Salerno, Cilento & Vallo di Diano Geopark, Italy

13.5.06 K. Tsanakas, K. Gaki - Papanastassiou, H. Maroukian, Ch. Chalkias, P. Katsafados, K. Kalogeropoulos (2013) An integrated appraisal of flood causes in Xirolaki torrent, Northern Greece, based on geomorphological and meteorological data. The 8th IAG/AIG International Conference on Geomorphology and Sustainability, Paris, France

13.5.07 S. Karalis, P. Katsafados, E. Karymbalis, K. Tsanakas, K. Valkanou (2014) Natural and human causes of a flash flood in a small catchment (Rhodes Island, Greece) based on atmospheric forcing and runoff modeling techniques. EGU General Assembly, Vienna

13.5.08 K. Tsanakas, G. Fubelli, E. Karymbalis (2014). Geomorphic impacts of active tectonics on a river course, the case of Klissoura gorge, central Greece. EGU General Assembly, Vienna

13.5.09 E. Karympalis, K. Gaki-Papanastassiou, D. Papanastassiou, I. Tsodoulos, N. Tsivgoulis, K. Tsanakas, K. Valkanou (2015) Quaternary shorelines of the broader area of Cape Maleas-Neapolis-Elafonissos Isl.(SE Peloponnese) EGU General Assembly, Vienna

13.5.10 E. Karympalis, K. Valkanou, G. Tsironis, I. Tsodoulos, G. Iliopoulos, K. Tsanakas, D.-V. Mpatzakis (2015) Geomorphic evolution of the Lilas River fan delta (Central Evia, Greece), during the Quaternary. EGU General Assembly, Vienna

13.5.11 E. Karympalis, K. Valkanou, G. Fubelli, M. Ferentinou, P. Giles, D. Papanastassiou, K. Gaki-Papanastassiou, K. Tsanakas (2016) Assessment of relative tectonic activity in the Trichonis Lake Graben (Western Greece) using geomorphometry. EGU General Assembly, Vienna

13.5.12 E. Karympalis, K. Valkanou, G. Fubelli, M. Ferentinou, P. Giles, D. Papanastassiou, K. Gaki-Papanastassiou, K. Tsanakas, V. Kapsimalis (2019) Assessment of relative tectonic activity in the Trichonis Lake Graben (Western Greece) using geomorphometry and artificial intelligence. Regional Conference on Geomorphology, Athens

13.5.13 A. Karkani, G. Saitis, **K. Tsanakas**, N. Evelpidou, E. Karymbalis, E. Vassilakis, H. Drinia, D.-V. Batzakis (2021). Palaeogeographic evolution and sea level changes of a tectonically active area: the case of Psatha, Alkyonides Gulf, Greece. EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-13236, <https://doi.org/10.5194/egusphere-egu21-13236>.

13.5.14 G. Saitis, **K. Tsanakas**, A. Karkani, S. Kawasaki, N. Evelpidou (2021) Insights in beachrock formation mechanism using multiproxy experimental data: Case study of Diolkos, Corinth, Greece. EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-13236, <https://doi.org/10.5194/egusphere-egu21-13236>.

13.5.15 **K. Tsanakas**, G. Saitis, N. Evelpidou, E. Karymbalis, A. Karkani (2021) Uplifted marine terraces of Cephalonia Island, Western Greece. Insights into the late Quaternary geomorphic evolution of the area. EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-13236, <https://doi.org/10.5194/egusphere-egu21-13236>.

13.5.16 **K. Tsanakas**, E. Karympalis, K. Gaki-Papanastassiou, H. Maroukian, A. Cundy, D. Papanastassiou, E. Koskeridou, D.-V. Mpatzakis, M. Andreou (2021) Sedimentary Records of Late Holocene Sea Level Rise at Alykes Lagoon, Northern Greece. Geography scientific conference “Geography in a changing world”. 2-4 June 2021, Lesvos, Greece.

13.5.17 D.V. Mpatzakis, G. Voulgaris, L.-M. Misthos, M. Andreou, **K. Tsanakas**, E. Karympalis (2021) Scenario-based tsunami vulnerability assessment in the eastern coast of Thera Island (Santorini), Greece. Geography scientific conference “Geography in a changing world”. 2-4 June 2021, Lesvos, Greece.

13.5.18 M. Andreou, D.-V. Mpatzakis, **K. Tsanakas**, S. Karalis, E. Karymbalis (2021) Flood hazard estimation of the Megalo Rema drainage basin, Rafina, Attica, Greece. Conference on Geography “Geography in a changing world, 2-4 June 2021, Lesvos, Greece

13.5.19 E. Karymbalis, **K. Tsanakas**, D. Papanastassiou, K. Gaki – Papanastassiou, C. Chalkias (2021) Late Pleistocene fluvial incision rates of the drainage networks of Ierapetra (SE Crete Island). Conference on Geography “Geography in a changing world, 2-4 June 2021, Lesvos, Greece

13.5.20 **K. Tsanakas**, E. Karymbalis, K. Gaki-Papanastasiou, H. Maroukian, E. Koskeridou, A. Cundy, D. Papanastasiou, D.-V. Batzakis, M. Andreou (2021) Paleogeographic evolution of Alykes lagoon, Pydna, Northern Greece, during the Holocene, based on geomorphological and sedimentological data. 2nd Neptune International Workshop “Collapse into now – a glimpse into the past, a step into the future”, online.

13.5.21 **K. Tsanakas** (2022) Records of past, high-energy marine inundation events in Greece. Invited speaker in IAG Regional Webinars for International Geomorphology Week, Central-Eastern Europe, online.

13.5.22 J. Jara-Muñoz, **K. Tsanakas**, E. Karymbalis, C. Yildirim, K. Pedoja, D.-V. Mpatzakis, D. Griva (2022) Quantifying active faulting using marine terraces, Kythira Island, Greece. EGU General Assembly 2022, online.

13.5.23 D. Griva, E. Karymbalis, M. Poscolieri, I. Parcharidis, V. Kapsimalis, **K. Tsanakas**, and D.-V. Batzakis (2022) Identification and mapping of beach ridges in the Acheron River delta (Western Greece). 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

13.5.24 K. Valkanou, E. Karymbalis, **K. Tsanakas**, M. Soldati, D. Papanastassiou, K. Gaki-Papanastassiou (2022) Stream piracy and tectonic control on the evolution of drainage networks: A case study from the Island of Evia, Greece. 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

13.5.25 E. Karymbalis, **K. Tsanakas**, D. Griva, D.-V. Batzakis, K. Valkanou (2022) Geomorphological map of Greece. 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

13.5.26 E. Karymbalis, K. Valkanou, G. Fubelli, M. Ferentinou, **K. Tsanakas**, P. Giles (2022) Assessment of relative tectonic activity in the Trichonis Lake graben (Western Greece) a combined approach using geomorphometry and Self Organising Maps. 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

13.5.27 **K. Tsanakas**, J. Jara-Muñoz, E. Karymbalis, C. Yildirim, K. Pedoja, D.-V. Batzakis, D. Griva (2022) Quantifying active faulting using marine terraces, Kythera Island, Greece. 10th International Conference on Geomorphology – “Geomorphology and Global Change, International Association of Geomorphologists (IAG), Coimbra, Portugal

13.5.28 K. Valkanou, E. Karymbalis, **K. Tsanakas**, G. Bathrellos, H. Skilodimou, D. Papanastassiou, K. Gaki-Papanastassiou (2022) Assessing and Mapping Multi-Hazard Susceptibility in Evia Island Greece Using Integrated Weighting Methods and Geospatial Techniques. 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.29 E. Karymbalis, **K. Tsanakas**, K. Valkanou, D. Griva and D.-V. Batzakis (2022) Nationwide geomorphological mapping: Introducing the geomorphological map of Greece. 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.30 Th. Karympali, **K. Tsanakas** (2022) Palaeogeographic Reconstruction of the Ancient Course of Eridanos River (Athens, Greece): A Review. 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.31 I. Papadopoulos, A. Karavias, E. Karymbalis, I. Parcharidis, **K. Tsanakas** (2022) Detecting Recent Surface Deformation in the Evinos River Delta, Western Greece, Using SBAS Interferometry. 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.32 D. Griva, E. Karymbalis, M. Poscolieri, I. Parcharidis, V. Kapsimalis, **K. Tsanakas**, D.-V. Batzakis (2022) Identification and Mapping of Beach Ridges in the Acheron River

delta (Western Greece). 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.33 E. Karymbalis, K. Valkanou, G. Fubelli, M. Ferentinou, P. Giles, **K. Tsanakas**, D.-V. Batzakis, D. Papanastassiou and K. Gaki-Papanastassiou (2022) Relative Tectonic Activity Assessment of the Trichonis Lake Graben (Western Greece) Using Geomorphometry and Artificial Intelligence. 16th International Congress of the Geological Society of Greece, Patras, Greece

13.5.34 E. Karymbalis, **K. Tsanakas**, G. Iliopoulos, P. Papadopoulou, D. Protopappas, K. Gaki – Papanastassiou, D. Papanastassiou, D.-V. Mpatzakis, V. Kotinas, H. Maroukian, A.-B. Cundy (2022) Palaeogeographic reconstruction of the Leichoura coastal plain (Pteleos Gulf) during the Late Holocene. 22 Years of Geographies, Crisis, Resistance, Perspectives, Athens, Greece

13.5.35 K. Valkanou, E. Karymbalis, **K. Tsanakas** (2022) GIS-based morphometric analysis for the prioritization of erosion-prone watersheds in Evia Island, Greece. 9^o Διεθνές Συνέδριο για την Πολιτική Προστασία και τις Νέες Τεχνολογίες, Safe Thessaloniki, Θεσσαλονίκη

14. REVIEWER IN INTERNATIONAL SCIENTIFIC JOURNALS

Acted as a reviewer for the following international scientific journals: “International Journal of Geoinformation”, “Journal of Marine Science and Engineering”, “Sustainability”, Zeitschrift fur Geomorphologie”, “Hydrology”, “Journal of Maps”, “Applied Geography”.

15. EDITOR OF SPECIAL ISSUES OF INTERNATIONAL SCIENTIFIC JOURNALS

15.1 Guest Editor of the special issue “**Tectonics and Sea-level Fluctuations**”, Journal of Marine Science and Engineering

15.2 Co-Editor of the Book of Proceedings of the online one day Conference “**The Role of Geomorphology in Modern Society**” of the Hellenic Committee for Geomorphology and Environment of the Geological Society of Greece, Bulletin of the Geological Society of Greece, Special Publication No 8, 91-95. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

15.3 Co-Editor of the special issue “**Tectonic Geomorphology**” of the scientific journal “Zeitschrift für Geomorphologie”, in the framework of the session “Tectonic and Seismic Geomorphology” of the 10th International Conference on Geomorphology of the International Association of Geomorphologists.

16. Citation metrics

Scopus Preview

Citations: 99 by 67 documents, **h-index:** 6