

CURRICULUM VITAE

Konstantinos Tsanakas,

Geomorphologist

MAY, 2025

1. PERSONAL INFORMATION

Full Name: **Konstantinos A. Tsanakas**

Date of Birth: **April 19, 1983**

Position: **Faculty Member (Harokopio University, Department of Geography)**

Academic Rank: **Assistant Professor**

Email: **ktsanakas@hua.gr**

2. EDUCATION – DEGREES

2005: B.Sc. in Geography

Department of Geography, Harokopio University

Final Grade: 7.0

2009: M.Sc. in “Geography and Environment”

Section of Geography and Climatology, Department of Geology and
Geoenvironment,

National and Kapodistrian University of Athens

2017: Ph.D. in Geography and Climatology

Department of Geology and Geoenvironment, National and Kapodistrian University
of Athens

Ph.D. Thesis Title: “Geomorphological – Environmental study and assessment of
geomorphological hazards in the broader area of the Pierian Mountains”

3. FOREIGN LANGUAGES

English: Excellent comprehension of both spoken and written language. Proficient in the
use of scientific terminology and the writing of academic texts.

German: Very good comprehension of both spoken and written language. Moderate
proficiency in using scientific terminology and writing academic texts.

French: Basic knowledge.

4. SCIENTIFIC SKILLS – COMPUTER SOFTWARE PROFICIENCY

- Extensive experience in the collection of primary data, such as: sampling of undisturbed soft sediment cores through drilling, sampling for radiocarbon dating (^{14}C), and sampling for Optically Stimulated Luminescence (OSL) dating.
- Many years of experience in grain size analysis of soft sediments, both coarse- and fine-grained, from various depositional environments using both traditional and modern techniques (wet sieving, pipette method, use of Mastersizer).
- Field-based geomorphological mapping using advanced technologies, including Global Positioning System (GPS, DGPS) and drones.
- Strong knowledge of the TerraceM software in a Matlab environment for mapping and modeling marine terraces.
- Proficient in the application of Geographic Information Systems (GIS) and Remote Sensing techniques using software such as ArcGIS, MapInfo, QGIS, and ERDAS IMAGINE.
- Skilled in digital image processing software such as Corel Draw, Corel Photo Paint, and AutoCAD.

5. TRAINING – SEMINARS

5.01 2002: *Introduction to Databases and Graphics* (Harokopio University)

5.02 2003: *Holocene Sea-Level Changes in the Mediterranean* (Harokopio University)

5.03 2003: *Natural Disaster Management Systems* (Harokopio University)

5.04 2006–2008: *Field Training Project “Failles vivantes – Living Faults”*
Research Center: Institut de Physique du Globe de Paris

5.05 2012: *Independent training course during the conference “Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier”, Salerno – Cilento & Vallo di Diano Geopark, Italy*

5.06 2022: *Training at the Institute of Geosciences, University of Potsdam*
on mapping and modeling of marine terraces using TerraceM software in a Matlab environment.

5.07 2022: *Training at the Department of Earth Sciences, University of Turin*

on topics of Applied Geomorphology as part of the ERASMUS+ Staff Mobility for Training (STT) program.

6. PROFESSIONAL EXPERIENCE

2004: Technical Support for Broadband Network, OTENET, OTE Group

2010 – 2012: External collaborator for the collection of primary statistical data, Hellenic Statistical Authority (ELSTAT)

2017 – 2019: Geographic data management using Geographic Information Systems (GIS) in the Integrated Administration and Control System of OPEKEPE, Agrogenesis – Arogin

2018 – 2019: Adjunct Lecturer (Law 407/80) at the Department of Geography, Harokopio University

2019 – 2022: Lecturer at the Department of Geography, Harokopio University under the action “Acquisition of Academic Teaching Experience for Young Scientists Holding a PhD at Harokopio University”

7. FIELDS OF RESEARCH INTEREST

Fluvial Geomorphology, Coastal Geomorphology, Paleogeographic evolution of coastal areas – sea-level changes, Morphotectonics, Morphometry, Natural hazards (fluvial floods, sea-level rise, coastal erosion), Geomorphological mapping.

8. SCHOLARSHIPS – AWARDS

8.01 2011: Special Account for Research Funds (NKUA): Awarded a three-year doctoral scholarship (2011–2014) under the program “Establishment of scholarships for the acquisition of a doctoral degree by ELKE.”

8.02 2012: University of Salerno, Italy: Scholarship for young geomorphologists to participate in the pre-conference intensive training program titled “*Objective Geomorphological Representation Models: Breaking through a New Geomorphological Mapping Frontier*,” Salerno – Cilento & Vallo di Diano Geopark, Italy.

8.03 2017: Outstanding Poster Presentation Award at the 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation, MEDCOAST, Malta, 2017.

8.04 2020: Scholarship under the call code EDBM103 titled “Support for researchers with an emphasis on young researchers – Cycle B” of the Operational Program “Human Resources Development, Education and Lifelong Learning” for the implementation of the project “*Study of the genesis of natural beachrocks and*

creation of artificial beachrocks. Their impact on the coastal environment and paleoenvironments.”

8.05 2022: Scholarship from the Institute of Geosciences of the University of Potsdam for training in the mapping and modeling of marine terraces.

9. TEACHING ACTIVITY

9.1 Independent Teaching

9.1.01 2018: Presidential Decree 407/80. Independent teaching of the course “Geomorphology” in the Undergraduate Program of the Department of Geography, Harokopio University. Preparation of teaching material, organization of student field trip, and evaluation.

9.1.02 2019: Presidential Decree 407/80. Independent teaching of the course “Geomorphology” in the Undergraduate Program of the Department of Geography, Harokopio University. Preparation of teaching material, organization of student field trip, and evaluation.

9.1.03 2019–2020: Independent teaching of the courses “Geomorphology”, “Fluvial Geomorphology” and “Quaternary Geology” in the Undergraduate Program of the Department of Geography, Harokopio University, under the Operational Program *“Acquisition of Academic Teaching Experience for Young Scientists with a Doctoral Degree 2019–2020 at Harokopio University.”*

9.1.04 2020–2021: Independent teaching of the courses “Geomorphology”, “Fluvial Geomorphology” and “Quaternary Geology” in the Undergraduate Program of the Department of Geography, Harokopio University, under the same Operational Program for the academic year 2020–2021.

9.1.05 2021–2022: Independent teaching of the courses “Geomorphology”, “Fluvial Geomorphology” and “Quaternary Geology” in the Undergraduate Program of the Department of Geography, Harokopio University, under the same Operational Program for the academic year 2021–2022.

9.1.06 2022–Present: Independent teaching of the courses “Geomorphology”, “Oceanography” (co-teaching), “Geomorphological Mapping” and “Quaternary Geology and Geoarchaeology” in the Undergraduate Program of the Department of Geography, Harokopio University.

9.2 Teaching as a Guest Lecturer in Postgraduate Programs

9.2.01 2017: Lecture on *“Coastal Geomorphological Hazards”* in the MSc Program “Applied Geography and Spatial Management”, Department of Geography, Harokopio University, in the course “Natural Hazards in the Coastal Zone”.

9.2.02 2018: Lecture on *“The Role of Geomorphology in Identifying Natural Disaster Events during the Quaternary”* in the same MSc Program, same course.

9.2.03 2019: Lecture on *“The Role of Geomorphology in Identifying Natural Disaster Events during the Middle–Upper Holocene”*, in the same MSc Program and course.

9.2.04 2020: Lecture on *“Megafloods during the Late Pleistocene. The case of the Scablands”*, in the same MSc Program and course.

9.2.05 2021: Lecture on *“Paleogeographic reconstruction of low-lying coastal areas – Its role in identifying paleotsunami events”*, in the same MSc Program, in the course “Natural Processes, Hazards and Disasters”.

9.2.06 2022: Lecture on *“Paleotsunami or storm waves?”*, in the same MSc Program, same course.

9.2.07 2024: Lecture on *“The contribution of geomorphology to the recognition of paleotsunami in the Middle–Upper Holocene”* in the 3rd Intensive Seminar of the MSc Program “Global Health – Disaster Medicine”, Medical School of NKUA.

9.2.08 2025: Lecture on *“Sea level rise: Causes and impacts on the coastal zone”* in the 4th Intensive Seminar of the MSc Program “Global Health – Disaster Medicine”, Medical School of NKUA.

9.3 Teaching Assistance as a Postgraduate Student (until 2008) and as a Doctoral Candidate (until 2016)

9.3.01 2006: Teaching assistance in the course “Geomorphology”, Undergraduate Program, Department of Geology and Geoenvironment, NKUA.

9.3.02 2006: Teaching assistance in the course “Coastal Geomorphology”, Undergraduate Program, same department.

9.3.03 2007: Teaching assistance in “Geomorphology”, same program and department.

9.3.04 2007: Teaching assistance in “Coastal Geomorphology”, same program and department.

9.3.05 2008: Teaching assistance in “Geomorphology”, same program and department.

9.3.06 2008–2011: Teaching assistance in the course “Fluvial Geomorphology”, MSc Program “Prevention and Management of Natural Disasters”, Department of Geology and Geoenvironment, NKUA.

9.3.07 2008–2012: Teaching assistance in the course “Natural Disasters”, MSc Program “Crisis Management, Mass Disasters and Emergency Situations”, Department of Nursing, NKUA.

9.3.08 2009–2016: Teaching assistance in “Fluvial Geomorphology”, MSc Program “Geography and Environment”, Department of Geology and Geoenvironment, NKUA.

9.3.09 2016: Teaching assistance during the field trip “Failles vivantes – Living Faults” by the Institut de Physique du Globe de Paris in collaboration with the National and Kapodistrian University of Athens.

10. ACADEMIC ACTIVITY

10.1 Participation in Organizing/Scientific Committees of International and National Scientific Conferences

2019: Member of the organizing and scientific committee of the *training school* at the International Conference “*Regional Conference on Geomorphology, Athens 2019*”.

2021: Member of the organizing committee of the international online seminar “*The Role of Geomorphology in Modern Society*”, organized by the Committee on Geomorphology and Environment of the Hellenic Geological Society (HGS).

2021: Member of the organizing committee of the international online seminar “*Women in Geomorphology: A Mediterranean Perspective*”, organized by the Committee on Geomorphology and Environment of the HGS.

2022: Member of the scientific committee of the conference “*22 Years of Geographies: Crises, Resistances, Prospects*”.

10.2 Participation in Undergraduate Thesis Committees

2018–Present: Member of the three-member advisory and examination committee for undergraduate theses in the Undergraduate Program of the Department of Geography, Harokopio University.

10.3 Participation in Scientific Committees and Societies

2006–Present: Regular member of the Hellenic Geological Society.

2006–Present: Treasurer of the Committee on Geomorphology and Environment of the Hellenic Geological Society.

2012–Present: Member of the European Geosciences Union.

2012–Present: Founding member of the Hellenic Geomorphological Society.

2014–Present: Chair of the Working Group on Tectonic Geomorphology of the *International Association of Geomorphologists (IAG)*.

11. PARTICIPATION IN RESEARCH PROJECTS

- 11.01 2005–2007:** Research project titled *“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.
- 11.02 2005–2007:** Research project titled *“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.
- 11.03 2006–2007:** Research project titled *“Palaeogeographic and geomorphological study of the area between the bay of Agia Kyriaki and the Gulf of Argostoli, island of Kefalonia”*, National and Kapodistrian University of Athens.
- 11.04 2006–2008:** Participation in the project titled *“Undergraduate Curriculum Reform of the Department of Geology and Geoenvironment”*, National and Kapodistrian University of Athens.
- 11.05 2012–2015:** Thales research project (DAPHNE) titled *“Investigation of the impacts of climate change on river deltas: The case of the Pineios River Delta”*. Website: <http://en.thalis-daphne.geol.uoa.gr/>
- 11.06 2020–2021:** Research project titled *“Study of the genesis of natural beachrocks and the creation of artificial beachrocks: Their impact on the coastal environment and palaeoenvironment”*, NKUA, under the call code ΕΔΒΜ103 (ΑΔΑ: 6ΗΝΙ465ΧΙ8-ΞΝ5) titled *“Support of researchers with emphasis on young researchers – Cycle Β”*, within the Operational Programme “Human Resources Development, Education and Lifelong Learning”.
- 11.07 2021–Present:** Erasmus+ research project titled *“Training new generations on geomorphology, geohazards and geoheritage through Virtual Reality Technologies”*, Stockholm University.
- 11.08 2023–Present:** Research project titled *“A Cloud-Based Remote Sensing Data System for Promoting Research and Socioeconomic Studies in Arctic Environments”* (EO-PERSIST). Funded by the European Union under HORIZON TMA MSCA Staff Exchanges.
- 11.09 2023:** “Geomorphological and geological analysis of the ancient geoenvironment at the three sites: Roman bath complex, fountain building, and structural remains at the location Loutró of Sami, Kefalonia.” Ephorate of Antiquities of Kefalonia and Ithaca.
- 11.10 2024:** Scientific coordinator of the research project titled *“Kithera Neotectonic Analysis”* (KINETICS). Funded by the Hellenic State Scholarships Foundation and the German Academic Exchange Service (DAAD).

12. PARTICIPATION IN SCIENTIFIC CONFERENCES AND WORKSHOPS

2002: 6th Panhellenic Geographical Congress, Thessaloniki

- 2002:** 2nd Panhellenic Conference on Coastal Zone Management and Improvement, Athens
- 2004:** 10th International Conference of the Hellenic Geological Society, Thessaloniki
- 2004:** 5th International Symposium on Eastern Mediterranean Geology, Thessaloniki
- 2004:** 7th Panhellenic Geographical Congress, Mytilene
- 2005:** 1st Workshop of the Geomorphology and Environment Committee of the Hellenic Geological Society, Athens
- 2005:** 7th Panhellenic Hydrogeological Conference, Hellenic Hydrogeology Committee of the Hellenic Geological Society, Athens
- 2005:** 3rd Panhellenic Conference on Coastal Zone Management and Improvement, Athens
- 2006: HAZARDS 2006:** The 11th International Symposium on Natural and Human-Induced Hazards, Patras, Greece
- 2007:** 8th Panhellenic Geographical Congress, Athens
- 2007:** 2nd Workshop of the Geomorphology and Environment Committee of the Hellenic Geological Society, Athens
- 2007:** 11th Panhellenic Geological Conference, Athens
- 2008:** 8th International Hydrogeological Conference of Greece, Athens
- 2008:** 3rd Workshop of the Geomorphology and Environment Committee of the Hellenic Geological Society, Athens
- 2009:** 7th International Conference of the International Association of Geomorphologists, Melbourne, Australia
- 2010:** 12th International Congress of the Geological Society of Greece, Patras
- 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 2015 – 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, Coimbra
- 2023:** IAG Regional Conference on Geomorphology – Türkiye 2023
- 2024:** 2nd International Conference on Seafloor Landforms, Processes, and Evolution, Lipari, Italy
- 2025:** European Geosciences Union (EGU) General Assembly

13. SCIENTIFIC PUBLICATIONS

13.1 Theses

13.1.01 Tsanakas, K. (2009) *“Geomorphological Study of the Broader Area of Livanaton – Agios Konstantinos, Fthiotida, with Emphasis on the Coastal Zone”* – Master’s Thesis. National and Kapodistrian University of Athens.

13.1.02 Tsanakas, K. (2017) *“Geomorphological – Environmental Study and Risk Assessment of Geomorphological Hazards in the Broader Area of the Pieria Mountains”* – Doctoral Thesis. National and Kapodistrian University of Athens.

13.2 Publications in Peer-Reviewed International 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. Tsemmelis, 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 Quaternary geomorphic evolution of Cephalonia Island, Western Greece, inferred from uplifted marine terraces. *Quaternary*, 2022, 5(3), 35

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 (Switzerland)*, 2022, 12(10), 367

13.2.21 E. Karymbalis, **K. Tsanakas**, A. Cundy, G. Iliopoulos, P. Papadopoulou, D. Protopappas, K. Gaki – Papanastassiou, D. Papanastassiou, D.-V. Batzakis, V. Kotinas, H. Maroukian (2022) Late Holocene palaeogeographic evolution of the Lihoura coastal plain, Pteleos Gulf, Central Greece. *Quaternary International*, 2022, 638-639, pp. 70–83

13.2.22 A. Karkani, N. Evelpidou, G. Saitis, **K. Tsanakas**, H. Drinia, E. Vassilakis, E. Karymbalis, D.-V. Batzakis (2023) Coastal Evolution and Relative Sea Level Changes at Psatha (Alkyonides Bay, Greece). *Journal of Marine Science and Engineering*, 2023, 11(1), 199

13.2.24 K. Kalogeropoulos, **K. Tsanakas**, N. Stathopoulos, D.-E. Tsesmelis, A. Tsatsaris (2023) Cultural Heritage in the Light of Flood Hazard: The Case of the “Ancient” Olympia, Greece. *Hydrology*, 2023, 10(3), 61

13.2.25 S. Karalis, E. Karymbalis, **K. Tsanakas** (2023) Mid-Term Monitoring of Suspended Sediment Plumes of Greek Rivers Using Moderate Resolution Imaging Spectroradiometer (MODIS) Imagery. *Remote Sensing*, 2023, 15(24), 5702

13.2.26 V. Mazarakis, **K. Tsanakas**, N. Greenbaum, D.-V. Batzakis, A. Sorrentino, I. Tsoudoulos, K. Valkanou, E. Karymbalis (2025) Flood-Hazard Assessment in the Messapios River Catchment (Central Evia Island, Greece) by Integrating GIS-Based Multicriteria Decision Analysis and Analytic Hierarchy Process. *Land* 2025, 14, 658. <https://doi.org/10.3390/land14030658>

Chapters in Books

1. Batzakis, D.-V., Karymbalis, E., Tsanakas, K. (2024) *Assessing coastal vulnerability to climate change-induced hazards in the Eastern Mediterranean: A comparative review of methodological approaches. Geographical Information Science: Case Studies in Earth and Environmental Monitoring*, 2024, pp. 253–278
2. Valkanou, K., Karymbalis, E., Tsanakas, K. (2024) *Identification of geomorphic and morphotectonic features using geographic information system techniques. Geographical Information Science: Case Studies in Earth and Environmental Monitoring*, 2024, pp. 3–28
3. Tsanakas, K., Karymbalis, E., Batzakis, D.-V. (2024) *Advances in geographical information science for monitoring and managing deltaic environments: Processes, parameters, and methodological insights. Geographical Information Science: Case Studies in Earth and Environmental Monitoring*, 2024, pp. 279–311

Books

- Geography, 5th Grade of Primary School (Volumes A & B) – Student Book (2025). Asimina Antonarakou, Maria Psychogiou, Olga Koumoutsakou, Maria Petropoulou, Panagiota Asimakopoulou, Athanasia Bakopoulou, Charalampos Kranis, Antonia-Zoi Mammi, Manolis Vasilakis, Konstantinos Tsanakis, Alikí Konsolaki. Computer Technology Institute and Press “DIOFANTOS”, Published by Elliniki Grafí
- Geography, 6th Grade of Primary School (Volumes A & B) – Student Book (2025). Asimina Antonarakou, Maria Psychogiou, Olga Koumoutsakou, Maria Petropoulou, Panagiota Asimakopoulou, Athanasia Bakopoulou, Charalampos Kranis, Antonia-Zoi Mammi, Manolis Vasilakis, Konstantinos Tsanakis, Alikí Konsolaki. Computer Technology Institute and Press “DIOFANTOS”, Published by Elliniki Grafí
- Atlas, 5th Grade of Primary School (2025). Asimina Antonarakou, Konstantinos Tsanakis, Manolis Vasilakis, Alikí Konsolaki. Computer Technology Institute and Press “DIOFANTOS”, Published by Elliniki Grafí
- Atlas, 6th Grade of Primary School (2025). Asimina Antonarakou, Manolis Vasilakis, Alikí Konsolaki, Konstantinos Tsanakis. Computer Technology Institute and Press “DIOFANTOS”, Published by Elliniki Grafí

13.3 Publications in Greek Peer-Reviewed Journals

13.3.01 K. Tsanakás (2006). *Geomorphological study and assessment of human interventions in a section of the coastal zone of Pieria Prefecture*. *Geographies*, 12, 147–151.

13.3.02 K. Lazogiannis, S. Poulos, D.H. Giannoulis, D.E. Sifnioti, K. Tsanakás, A. Tsoutsia, S. Dilalos, G. Gkionis, E. Vasilakis, S. Petrakis, D. Tarasis, G. Terezakis (2015). *Morphological changes along the deltaic coastline of the Pineios River (Thessaly)*. *Geographies*, 26, 51–58.

13.4 Publications in Proceedings of Greek and International Peer-Reviewed Conferences

13.4.01 K. Tsanakis, 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. Tsanakis (2010) Geomorphic Evolution of Western (Paliki) Kephallonia 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. Tsanakis, 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. Tsivgoulis, **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. Papanastasiou, K. Gaki-Papanastasiou (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. Karympalis, **K. Tsanakás** (2021). Geomorphological study of the alluvial fans and their corresponding drainage basins of Mount Olympus using GIS. 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, pp. 91–95. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

13.5 Presentations at International and Greek Conferences

13.5.01 K. Gaki Papanastassiou, E. Karymbalis, H. Maroukian, D. Papanastasiou, **K. Tsanakas** (2009) Quaternary evolution of southern Kephallonia 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. Mithos, 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. Batzakis, **K. Tsanakas**, S. Karalis, E. Karympalis (2021). *Flood risk assessment in the Megalo Rema basin, Rafina, Attica*. Scientific Geography Conference “Geography in a Changing World.” June 2–4, 2021, Lesvos.

13.5.19 E. Karympalis, **K. Tsanakas**, D. Papanastasiou, K. Gaki-Papanastasiou, Ch. Chalkias (2021). *Assessment of average rates of vertical erosion during the Late Pleistocene in the hydrographic networks of the wider Ierapetra region (SE Crete)*. Scientific Geography Conference “Geography in a Changing World.” June 2–4, 2021, Lesvos.

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 G. Mattei, A. Sorrentino, K. Tsanakas, P. P. C. Aucelli, and E. Karymbalis (2025) Long-term evolution of western Laconia Peninsula through an integrated geomorphological and geoarchaeological analysis. EGU General Assembly, Vienna, Austria

14. Peer Reviews for International Scientific Journals

Κριτής επιστημονικών εργασιών για τα διεθνή επιστημονικά περιοδικά: “Geomorphology” “International Journal of Geoinformation”, “Journal of Marine Science and Engineering”, “Sustainability”, Zeitschrift fur Geomorphologie”, “Hydrology” και “Journal of Maps”.

15. EDITING SPECIAL ISSUES OF SCIENTIFIC JOURNALS

15.1 Guest editor of the special issue titled “*Tectonics and Sea-Level Fluctuations*” in the international scientific journal *Journal of Marine Science and Engineering*.

15.2 Co-editor of the proceedings volume of the online conference organized by the Committee of Geomorphology and Environment of the Hellenic Geographical Society titled “*The Role of Geomorphology in Modern Society.*” *Bulletin of the Geological Society of Greece*, Special Publication No. 8, pp. 91–95. Geological Society of Greece, Athens. ISBN: 978-960-98709-6-2.

16. ADMINISTRATIVE DUTIES

16.1 2023–Present: Member of the Internal Evaluation Team (OMEA) of the Department of Geography, Harokopio University.

16.2 2023–Present: Member of the Coordinating Committee of the Postgraduate Program “*Applied Geography and Spatial Management*” of the Department of Geography, Harokopio University.

16.3 2024–Present: Member of the Dean’s Office of the School of Environment, Geography and Applied Economics, Harokopio University.

16.4 2025: Member of the Coordinating Committee of the Postgraduate Program “*Climate Crisis, Risks and Disasters*” of the Department of Geography, Harokopio University.

17. CITATION METRICS

Scopus

Citations: 289 citations from 229 documents

h-index: 10

Google Scholar

Citations: 375 citations

h-index: 11