

Dr. Efthimios Karymbalis

Curriculum Vitae

Full Professor in Fluvial and Coastal Geomorphology
Department of Geography
School of Environment, Geography, and Applied Economics
Harokopio University of Athens, Greece



PERSONAL INFORMATION

Name:	Efthimios Karymbalis
Date of birth:	12 December 1968
Place of birth:	Agia Efthimia, Fokida, Greece
Marital status:	Married (since 1995) with one child (girl)
Profession:	Full Professor in Coastal and Fluvial Geomorphology, Department of Geography, Harokopio University of Athens
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EDUCATION

1992-1996: Department of Geology, National and Kapodistrian University of Athens: PhD in Geology. Thesis: "Geomorphologic observations in the drainage basin of Evinos river".

1987-1992: Department of Geology, National University of Athens: BSc Diploma of Geology (7,45 "Very Good"). Chosen option: Geography – Environment.

LANGUAGES

English: Fluent in speaking and writing.

PROFESSIONAL EXPERIENCE

2018-today: Full Professor of Coastal and Fluvial Geomorphology at the Department of Geography of the Harokopio University of Athens, Greece.

2013-2018: Associate Professor of Coastal and Fluvial Geomorphology at the Department of Geography of the Harokopio University of Athens, Greece.

2007-2013: Assistant Professor of Coastal and Fluvial Geomorphology at the Department of Geography of the Harokopio University of Athens, Greece.

2002-2007: Lecturer of Coastal and Fluvial Geomorphology at the Department of Geography of the Harokopio University of Athens, Greece.

2000-2002: Adjunct Lecturer of Physical Geography and Geomorphology at the Department of Geography of the Harokopio University in Athens.

2000: External collaborator for the "Patakis Publications". Writing the terms of Geology and Physical Geography for an Interpretative Dictionary.

1998-2000: Stalk for a Commercial Company.

RESEARCH INTERESTS

- Physical Geography,
- Geomorphology (especially Coastal, Fluvial and Tectonic Geomorphology),

- Geomorphological Hazards, Natural hazards' assessment,
- Geomorphometry,
- Morphotectonics,
- Quaternary Geology,
- Environmental Geology,
- Geomorphological mapping.

TEACHING AND MENTORING

Undergraduate courses

2022-today: "Fluvial Geomorphology", Department of Geography, Harokopio University of Athens.

2008-today: "Hydrology – Water resources Management", Department of Geography, Harokopio University of Athens.

2004-today: "Coastal Geomorphology", Department of Geography, Harokopio University of Athens.

2002-today: "Physical Geography", Department of Geography, Harokopio University of Athens.

2016-2020: "Geographical Project", Department of Geography, Harokopio University of Athens.

2002-2006: "Climatology – Hydrology", Department of Geography, Harokopio University of Athens.

2004-today: Supervisor for more than 100 undergraduate dissertations of students of the Department of Geography (Harokopio University).

1992-1996: Assistant teacher for the undergraduate courses of Physical Geography, Oceanography, Geomorphology, Karst Geomorphology, Applied Geomorphology, Coastal Geomorphology and Photogeology for the students of 1st, 2nd and 3rd year of the Department of Geology of the National and Kapodistrian University of Athens

Post-graduate courses

2009-today: "Natural Hazards along the Coastal Zone" for the MSc (postgraduate) Program "Applied Geography and Spatial Planning – Management of Natural and Human Induced Disasters" of the Department of Geography (Harokopio University).

2005-today: "Natural Processes - Hazards and Disasters" for the MSc (postgraduate) Program "Applied Geography and Spatial Planning – Management of Natural and Human Induced Disasters" of the Department of Geography (Harokopio University).

2019-today: "Coastal Hazards and Coastal Zone Management": Seminar for the students of the MSc Program "Sustainable Development", Department of Economics and Sustainable Development, Harokopio University of Athens.

2018-today: "Coastal Hazards along the Coastline: A Threat to the Development of the Coastal Areas": Seminar for the students of the International Master "Sustainable Tourism Development: Heritage, Environment, Society". The programme is implemented through the cooperation of three Universities: University of Paris 1 – Panthéon Sorbonne (IREST – Institut de Recherche et d' Etudes Supérieures du Tourisme), Harokopio University of Athens (Department of Economics and Sustainable Development, Department of Geography, Department of Informatics and Telematics), and the University of the Aegean (Department of Business Administration).

2025: "Flood risk and its assessment methodologies": Seminar for the students of the MSc Program "Global Health – Disaster Medicine", School of Medicine, National and Kapodistrian University of Athens.

2024: "Climate change and coastal Hazards" Seminar for the students of the MSc Program "Global Health – Disaster Medicine", School of Medicine, National and Kapodistrian University of Athens.

2024: Series of 4 Seminars under the general title "The impact of climate change on sustainable development: Risk assessment and mitigation strategies" for the PhD students of UNIMORE, 21-23 February 2024.

2017: "Coastal processes and landforms": Lecture for the students of the Interdepartmental MSc Programme "Water Resources Science and Technology". The Program is organized by the School of Civil Engineering of the National Technical University of Athens in cooperation with the School of Rural and Surveying Engineering and the School of Mining and Metallurgical Engineering.

2007-today: Supervised over 60 MSc dissertations of postgraduate students in the Department of Geography at Harokopio University.

Supervision of PhD Theses and Participation in Advisory and Examination Committees

2009- today: Supervisor for 8 PhD Students (including 2 completed).

Mrs Kanella (Nelly) Valkanou (graduated): "Morphotectonic and geomorphological study of the Northern part of Evia Island" (completed in 2021).

Mr. Sotiris Karalis (graduated): “Sediment load models for mountainous catchments: the case of Vouraikos River drainage basin” (*completed in 2020*).

Co-supervisor of Sofia Rossi’s International PhD in “Sustainable Development and Climate Change” entitled “Study of short- and long- term effects of climate change by integrating subaerial and submerged data for a correct risk assessment”, University Institute of Higher Studies of Pavia (IUSS), Italy.

Member of PhD Advisory and/or Examination Committees

2007-today: Member of the 3-member advising committee of 10 Greek PhD dissertations.

2007-today: Member of the 7-member exam committee of 15 Greek PhD dissertations:

2021: Member of the PhD final examination board for Dipartimento di Scienze della Terra, dell'Ambiente e delle Risorse Università degli Studi di Napoli Federico II (33rd cycle – 2021).

2021: Member of the PhD final examination board for Università degli Studi di Torino. Scienze della Terra (33rd cycle – 2021).

APPOINTMENTS AS INVITED VISITING PROFESSOR

2024: Visit to the Department of Chemical and Geological Sciences, University of Modena and Reggio Emilia (UNIMORE) (February 4 – March 4). The visit was conducted at the invitation of Professor Mauro Soldati and included a series of seminars for PhD candidates in the “PhD Course in Models and Methods for Material and Environmental Sciences”. The seminars, totaling 16 hours (equivalent to 4 ECTS credits), were titled “The Impact of Climate Change on Sustainable Development: Risk Assessment and Mitigation Strategies”.

2023: Visit to the Department of Science and Technology, University of Naples Parthenope (October 25–28). The visit was conducted under the framework of the ERASMUS exchange program and included collaboration with Professors Gaia Mattei and Pietro Aucelli on topics related to sea-level indicators.

2022: Visit to the Department of Earth Sciences, University of Turin, Italy (March 28 – April 1). The visit was conducted under the framework of the ERASMUS exchange program and included collaboration with Professor Giandomenico Fubelli. It also involved teaching undergraduate and postgraduate students on topics related to the assessment of tectonic uplift and fluvial incision using marine terraces. The lectures were titled “Estimation of Mean Long-term Tectonic Uplift and Fluvial Incision Rates Using Marine Terraces: Examples from Greece”.

2014-2015: Visit to the Discipline of Geological Sciences, School of Agricultural, Earth and Environmental Sciences, University of KwaZulu-Natal (UKZN), Durban, South Africa (October 2014 – February 2015). The visit, conducted as part of a research leave and at the invitation of Professor Mike Watkeys (Head of the Discipline), involved collaboration with Professors Andrew Green and Maria Ferentinou. The focus was on studying Quaternary deposits and assessing coastal hazards along the KwaZulu-Natal coast related to sea-level rise.

MANAGEMENT AND SERVICE EXPERIENCE

2022-today: Vice Head of the Department of Geography of the Harokopio University of Athens.

2022-2024: Director of the Centre of Training and Lifelong Learning of the Harokopio University of Athens.

2017-2020: Head of the Department of Geography of the Harokopio University of Athens.

2016-2018: Director of the Postgraduate studies of the Department of Geography of the Harokopio University.

2013-2015: Vice Head of the Department of Geography of the Harokopio University.

2002-today: Participation in and contributing to the organization of several activities of the Department of Geography at Harokopio University (e.g. organization of field trips for both undergraduate and postgraduate students, coordination of the committee for undergraduate studies, students’ placement coordinator).

PARTICIPATION IN RESEARCH PROJECTS

2023-2028: Member of the research group of the project “Rewilding and restoration of intertidal sediment ecosystems for carbon sequestration, climate adaptation and biodiversity support – REWRITE”, HORIZON-CL5-2022-D1-02-05, funded by the European Commission.

- 2023-2027:** Member of the research group of the project “EO-PERSIST: REMOTE SENSING DATA PORTAL FOR PROMOTING RESEARCH AND SOCIOECONOMIC STUDIES IN ARCTIC ENVIRONMENTS”, MARIE SKŁODOWSKA-CURIE ACTIONS Staff Exchanges (SE) Funded by the European Commission.
- 2023-2025:** Member of the research group of the project LISTEN- EO: Developing new awareness and innovative tools to support efficient water resources management exploiting geoinformation technologies. Implemented in the framework of H.F.R.I call “Basic research Financing (Horizontal support of all Sciences)” under the National Recovery and Resilience Plan “Greece 2.0” funded by the Hellenic Foundation for Research and Innovation Programme.
- 2023:** Coordinator of the project “Geomorphological and geological analysis of the archaeogeographical environment in three sites: Enhancement – Redevelopment of the Roman Bathhouse, Fountain Building, and Architectural Remains at the Loutro site in Sami, Kefalonia”. Funded by the Ephorate of Antiquities of Cephalonia, Greek Ministry of Culture.
- 2022-2023:** Member of the research group of the project “Design of Hydrological-Social System Resilience at Island Municipality Level”. Funded by the Ministry of Shipping and Insular Policy.
- 2020:** Consultant in the project “Design and calculation of a coastal vulnerability index for part of the coast of North Peloponnese” of the British Company HR WALLINGFORD LIMITED.
- 2017-2019:** Member of the research group of the project “Representations of the Coastal Zone of Cyprus through historical map sections and other illustrations”. Funded by the Sylvia Ioannou Foundation.
- 2013-2018:** Member of the Harokopio research group of the program CYCLADES LIFE, “Integrated Monk seal conservation of Northern Cyclades”. Funded by the EU instrument LIFE+ Nature and the Prince Albert II of Monaco Foundation.
- 2016-2017:** “Study of the dynamic interaction of atmospheric and hydrological environment for the Sperchios river basin”. Funded by the Research Committee of the Harokopio University.
- 2014-2015:** Coordinator of the project “Investigation of correlation among morphometric and hydrologic indices in small torrential basins” funded by the Research Committee of the Harokopio University.
- 2013-2015:** Member of the research group of the European FP7 project “KNOWledge for disaster risk reduction”. Coordinator: Politecnico di Milano (Italy).
- 2008-2011:** Member of the research group of the European FP7 project “ENSURE Enhancing Resilience of Communities and Territories facing Natural and Na-tech Hazards”. Coordinator: Politecnico di Milano
- 2008-2010:** Member of the research group of the Project “Greekscapes – a “birds’ eye” view atlas of Greek landscapes” funded by the Latsis Foundation.
- 2006:** Member of the research group of the Project “Palaeogeographic – geomorphological study of the area between Agia Kyriaki bay and Gulf of Argostoli, Cephalonia Island” funded by the Research Committee of the National and Kapodistrian University of Athens.
- 2004-2006:** Member of the research group of the Greek-French collaboration Project “Nouvelle approche Morphotectonique en Crete a partir de l'isotope cosmogénique Chlore 36 produit in situ” funded by the General Committee of Research and Technology.
- 2004-2005:** Member of the research group of the Project “Greek-English-Turkish dictionary of geography terms for Muslim Children of Greece” funded by the Institute of Language Research.
- 2004-2005:** Member of the research group of the Project “Water Management of the Antonis Tritsis Park” funded by Municipality of Western Athens.
- 2003-2004:** Member of the research group of the Project “Mapping of cultural paths (Kykklades Islands – Sifnos Island” funded by the Prefecture of Kyklades.
- 1996-1997:** Member of the research group of the Project “Seismological and Geomorphological study of the Mystras archaeological area” (Lakonia, Greece), funded by the Greek Ministry of Culture and the Commission for the restoration of the Mystras monuments.

PARTICIPATION IN SCIENTIFIC CONFERENCES

1994-today: Participation in more than 100 International and National Conferences with more than 120 oral and poster presentations.

INVITED TALKS

- 2023:** “Dead Sea: A unique and environmentally sensitive landscape under the threat of climate change”. Invited lecture given on Wednesday, May 18, at the Herakleidon Museum as part of the exhibition “Below Sea Level” by artist–photographer Thalassini Douma.

- 2022:** "Flood risk assessment in northern Evia Island after the recent summer forest fires": Invited talk given at the Conference "Climate crisis, biodiversity and forest ecosystems" organized by the Association of Administrative Judges, 27-28 May, 2022, Edipsos, Evia, Greece.
- 2022:** "Estimation of Mean Long-term Tectonic Uplift and Fluvial Incision Rates Using Marine Terraces: Examples from Greece" lecture offered at both the under- and post-graduate level after invitation by the Department of Earth Science, University of Turin, 30 March 2022.
- 2022:** "Marine Terraces as Indicators of Late Quaternary Tectonic Activity: Examples from Greece" online lecture after invitation in the context of the activities of the NEPTUNE (New Procedures and Technologies for Underwater paleo-landscape reconstruction) project of the INQUA Coastal and Marine Process (CMP) Commission, 27 January 2022.
- 2019:** "Susceptibility of the Greek coastlines to climate change-related coastal hazards": Keynote speech given at the 12th International Conference of the Hellenic Geographical Society – Innovative Geographies II, Mapping and Modeling our World, 1-4 November 2019, Athens, Greece.
- 2019:** "Priority of recovery – prevention after destructive urban floods": Invited talk given at the Conference "Disaster management: Priorities, rights, responsibilities" organized by the Association of Administrative Judges, 18-19 January, 2019, Athens, Greece.
- 2016:** "Effects of climate change in the coastal zone": Invited talk given at the Conference "Climate change: Scientific and legal-political aspects" organized by the Association of Administrative Judges, 8-9 April, 2016, Athens, Greece.
- 2009:** "The anticipated sea-level rise and its impact on the Greek coastline": Invited talk given at the one-day Conference "Climate Change and Green Energy" after invitation by the Hellenic Society of Swedish Scholars.

SCIENTIFIC PUBLICATIONS

Dissertations

- Karymbalis, E.** (1996) "Geomorphological observations at the Evinos River drainage basin". Ph.D dissertation, Department of Geology, National and Kapodistrian University of Athens, pp. 254. (in Greek with English abstract) available in the following link:
<http://thesis.ekt.gr/thesisBookReader/id/8736#page/1/mode/2up>

Books

- Karymbalis E.** (2010) "Coastal Geomorphology", "ΙΩΝ" publications. pp. 242 (ISBN:978-960-411-714-7).
 This book is given as a textbook for the courses of coastal geomorphology and coastal management to the students of five Departments of Greek Universities.

Publications in peer reviewed international journals

- Moustakas, P., Gkougkoustamos, I., Chalkias, C. **Karymbalis, E.**, Parcharidis, I. (2025) "Correlation between ground deformation and critical infrastructure in Osmaniye and Antakya cities following the southern Türkiye earthquake of February 6, 2023, using earth observation and geospatial data" *Zeitschrift für Geomorphologie*, doi: 10.1127/zfg/2025/0823 (forthcoming)
- Skilodimou, H., Bathrellos, G., Pappa, M.-I., Youssef, A., Kontakiotis, G., **Karymbalis, E.** (2025) "Assessing flood hazard mapping using AHP and GIS in a tectonically active region" *Zeitschrift für Geomorphologie*, doi: 10.1127/zfg/2024/0804 (forthcoming)
- Mazarakis, V., Tsanakas, K., Greenbaum, N., Batzakis, D.-V., Sorrentino, A., Tsodoulos, I., Valkanou, K., **Karymbalis, E.** (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*, 14(3), 658. <https://doi.org/10.3390/land14030658>
- Karalis, S., **Karymbalis, E.**, & Tsanakas, K. (2023). "Mid-Term Monitoring of Suspended Sediment Plumes of Greek Rivers Using Moderate Resolution Imaging Spectroradiometer (MODIS) Imagery. *Remote Sensing*, 15(24), 5702. <https://doi.org/10.3390/rs15245702>
- Vardopoulos, I., Giannopoulos, K., Papaefthymiou, E., Temponera, E., Chatzithanasis, G., Goussia-Rizou, M., **Karymbalis, E.**, Michalakelis, C., Tsartas, P., Sdrali, D. (2023) "Urban buildings sustainable adaptive reuse into tourism accommodation establishments: a SOAR analysis" *Discover Sustainability* 4:50. doi: <https://doi.org/10.1007/s43621-023-00166-2>

- Ramnalis, P., Batzakis, D.-V., **Karymbalis, E.** (2023) "Applying an integrated coastal vulnerability index (ICVI) to sea-level rise for the southern coast of the Corinth Gulf, Greece" *Geoadria*, 28/1, 1-24. doi: [10.15291/geoadria.4046](https://doi.org/10.15291/geoadria.4046)
- Karkani, A., Evelpidou, N., Saitis, G., Tsanakas, K., Drinia, H., Vassilakis, E., **Karymbalis, E.**, Batzakis, V.-D. (2023) "Coastal evolution and relative sea-level changes at Psatha (Alkyonides Bay, Greece)" *Journal of Marine Science and Engineering*, 11, 119. doi: <https://doi.org/10.3390/jmse11010199>
- Hasan, M., Drakou, E., **Karymbalis, E.**, Tragaki, A., Gallousi, C., Liqueste, C. (2023) "Modelling and Mapping Coastal Protection: Adapting an EU-wide Model to National Specificities" *Sustainability*, 15, 260. doi: <https://doi.org/10.3390/su15010260>
- Valkanou, K., **Karymbalis, E.**, Bathrellos, G., Skilodimou, H., Tsanakas, K., Papanastassiou, D., Gaki-Papanastassiou, K. (2022) "Soil loss potential assessment for natural and post-fire conditions in Evia Island, Greece" *Geosciences*, 12(10), 367. doi: <https://doi.org/10.3390/geosciences12100367>
- Tsanakas, K., Saitis, G., Evelpidou, N., **Karymbalis, E.**, Karkani, A. (2022) "Late Pleistocene geomorphic evolution of Cephalonia Island, Western Greece, inferred from uplifted marine terraces" *Quaternary*, 5(3), 35. doi: <https://doi.org/10.3390/quat5030035>
- Karymbalis, E.**, Tsanakas, K., Cundy, A., Iliopoulos, G., Papadopoulou, P., Protopappas, D., Gaki-Papanastassiou, K., Papanastassiou, D., Batzakis, D.V., Kotinas, V., Maroukian, H. (2022) "Late Holocene palaeogeographic evolution of the Lihoura coastal plain, Pteleos Gulf, Central Greece" *Quaternary International*, 638-639, 70-83. doi: <https://doi.org/10.1016/j.quaint.2021.12.007>
- Zampazas, G., **Karymbalis, E.**, Chalkias, C. (2022) "Assessment of the sensitivity of Zakynthos Island (Ionian Sea, Western Greece) to climate change-induced coastal hazards" *Zeitschrift für Geomorphologie*, 63/2-3, 183-200. doi: [10.1127/zfg/2021/0730](https://doi.org/10.1127/zfg/2021/0730)
- Karymbalis, E.**, Tsanakas, K., Karkani, A., Evelpidou, N. (2022) "Tectonic and Sea-Level Fluctuations" *Journal of Marine Science and Engineering*, 10/3, 334. doi: <https://doi.org/10.3390/jmse10030334>
- Karymbalis, E.**, Gallousi, C., Cundy, A., Tsanakas, K., Gaki-Papanastassiou, K., Tsodoulos, I., Batzakis, V.-D., Papanastassiou, D., Liapis, I., Maroukian, H. (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. doi: [10.1127/zfg/2021/0684](https://doi.org/10.1127/zfg/2021/0684)
- Karymbalis, E.**, Tsanakas, K., Tsodoulos, I., Gaki-Papanastassiou, K., Papanastassiou, D., Batzakis, D.V., Stamoulis, K. (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. doi: <https://doi.org/10.3390/jmse10010099>
- Karymbalis, E.**, Ferentinou, M., Fubelli, G., Giles, P., Tsanakas, K., Valkanou, K., Batzakis, V.D., Karalis, S. (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](https://doi.org/10.1127/zfg/2022/0748)
- Karalis, S., **Karymbalis, E.**, Tsanakas, K. (2021) "Estimating total sediment transport in a small, mountainous torrent, Vouraikos River, NW Peloponnese, Greece" *Zeitschrift für Geomorphologie*, 63/(2-3), 279-294. doi: [10.1127/zfg/2021/0719](https://doi.org/10.1127/zfg/2021/0719)
- Tsanakas, K., **Karymbalis, E.**, Gaki-Papanastassiou, K., Maroukian, H., Koskeridou, E., Cundy, A., Papanastassiou, D., Mpatzakis, D.-V., Andreou, M. (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](https://doi.org/10.1127/zfg/2021/0706)
- Evelpidou, N., **Karymbalis, E.** (2022) "Editorial: Geomorphology, Quaternary Geology and Geoarchaeology of the Eastern Mediterranean, Part 2" *Zeitschrift für Geomorphologie*, 63/(2-3), 137-139. doi: [10.1127/zfg/2022/0749](https://doi.org/10.1127/zfg/2022/0749)
- Karymbalis, E.**, Andreou, M., Batzakis, D.V., Tsanakas, K., Karalis, S. (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 (Switzerland)*, 13(18), 10232. doi: <https://doi.org/10.3390/su131810232>
- Valkanou, K., **Karymbalis, K.**, Papanastassiou, D., Soldati, M., Chalkias, C., Gaki-Papanastassiou, K. (2021) "Assessment of Neotectonic Landscape Deformation in Evia Island, Greece, Using GIS-Based Multi-Criteria Analysis" *International Journal of Geo-Information*, 10, 118. doi: <https://doi.org/10.3390/ijgi10030118>
- Karymbalis, E.**, Evelpidou, N. (2021) "Editorial: Geomorphology, Quaternary Geology and Geoarchaeology of the Eastern Mediterranean, Part 1" *Zeitschrift für Geomorphologie*, 63/(1), 1-2. doi: [10.1127/zfg/2021/0721](https://doi.org/10.1127/zfg/2021/0721)

- Batzakis, D.V., Misthos, L.M., Voulgaris, G., Tsanakas, K., Andreou, M., Tsodoulos, I., **Karymbalis, E.** (2020) "Assessment of Building Vulnerability to Tsunami Hazard in Kamari (Santorini Island, Greece)" *Journal of Marine Science and Engineering*, 8, 886. doi:10.3390/jmse8110886
- Chalkias, C., Polykretis, C., **Karymbalis, E.**, Soldati, M., Ghinoi, A., Ferentinou, M., (2020) "Exploring non-stationarity in the relationships between landslide susceptibility and conditioning factors: a local modeling approach using geographically weighted regression" *Bulletin of Engineering Geology and the Environment*, 79(6), 2799-2814. doi: <https://doi.org/10.1007/s10064-020-01733-x>
- Valkanou, K., **Karymbalis, E.**, Papanastassiou, D., Soldati, M., Chalkias, C., Gaki-Papanastassiou, K. (2020) "Morphometric analysis for the assessment of relative tectonic activity in Evia Island, Greece" *Geosciences*, 10(7), 264. doi: <https://doi.org/10.3390/geosciences10070264>
- Tsanakas, K., **Karymbalis, E.**, Cundy, A., Gaki-Papanastassiou, K., Papanastassiou, D., Drinia, H., Koskeridou, E., Maroukian, H. (2019) "Late Holocene geomorphic evolution of the Livadi coastl plain, Gulf of Argostoli, Cephalonia Island, Western Greece" *Geografia Fisica e Dinamica Quaternaria*, 42, 45-61. doi: 10.4461/GFDQ.1019.42.4
- Tsanakas, K., **Karymbalis, E.**, Gaki-Papanastassiou, K., Maroukian, H. (2019) "Geomorphology of the Pieria Mtns, Northern Greece" *Journal of Maps*, 15(2), 499-508. doi: <https://doi.org/10.1080/17445647.2019.1619630>
- Varlas, G., Anagnostou, M.N., Spyrou, C., Papadopoulos, A., Kalogiros, J., Mentzafou, A., Michaelides, S., Baltas, E., **Karymbalis, E.**, Katsafados, P. (2019) "A multi-platform hydrometeorological analysis of the flash flood event of 15 November 2017 Ain ttica, Greece" *Remote Sensing*, 11(1), 45. doi: <https://doi.org/10.3390/rs11010045>
- Karalis, S., **Karymbalis, E.**, Mamassis, N. (2018) "Models foe sediment yield in mountainous Greek catchments" *Geomorphology*, 322, 76-88. doi: <https://doi.org/10.1016/j.geomorph.2018.08.035>
- Karymbalis, E.**, Valkanou, K., Todoulos, I., Iliopoulos, G., Tsanakas, K., Batzakis, V., Tsironis, G., Gallousi, C., Stamoulis, K., Ioannides, K. (2018) "Geomorphic evolution of the Lilas River fan-delta (Central Evia Island, Greece)" *Geosciences (Switzerland)*, 8(10), 361. doi: <https://doi.org/10.3390/geosciences8100361>
- Tragaki, A., Gallousi, C., **Karymbalis, E.** (2018) "Coastal hazard vulnerability assessment bsd on geomorphic, oceanographic and demographic parameters" *Land*, 7(2), 56. doi: <https://doi.org/10.3390/land7020056>
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- Seni, A., Gaki-Papanastassiou, K., **Karymbalis, E.**, Zouva, Ch. (2010) "Anticipated sea-level rise vulnerability assessment along part of the eastern Argolic Gulf and the Argive plain with thw use of GIS" Proceedings of the 8th Panhellenic Geographical Conference vol. 2: 146-155. *(in Greek with English abstract)*
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- Karymbalis, E.**, Tegou, M., Tsalkitzi, O. (2000) "A geo-environmental approach of Vouraikos river valley" Proceedings of the Symposium Geotouristic – Geocultural Paths and Geomyths: 76-87. *(in Greek with English abstract)*

Karymbalis, E. (1999) "Human interference within the Evinos river delta" Proceedings of the 5th Panhellenic Geographical Conference: 591-599. *(in Greek with English abstract)*

Karymbalis, E. (1999) "Geomorphological study of the Evinos River drainage network" Proceedings of the 5th Panhellenic Geographical Conference: 59-71. *(in Greek with English abstract)*

CITATIONS

The published work has received 1593 citations (according to Google Scholar) and 1051 (according to Scopus).

EDITORIAL WORK

2025-2027: Member of the Editorial Board of the journal "Geoadria" (University of Zadar; HRČAK)

2020-today: Member of the Topical Advisory Panel for the journal "Remote Sensing" (MDPI).

2017-today: Member of the editorial board of the Greek journal "Geographies" Nissos Academic Publishing. Since **2023** Chief Editor of this journal.

2025: Managing Guest Editor of the Special Issue "Tectonic Geomorphology in Different Geodynamic Contexts", journal "Geomorphology" (Elsevier). *(forthcoming)*.

2025: Guest Co-editor of the Special Issue "Tectonic Geomorphology", journal "Zeitschrift für Geomorphologie" (E. Schweizerbart). *(forthcoming)*.

2022: Guest Co-editor of the Special Issue "Tectonic and Sea-Level Fluctuations", "Journal of Marine Science and Engineering" (MDPI).

2022: Guest co-editor of the Special Issue "Geomorphology, Quaternary Geology and Geoarchaeology of the Eastern Mediterranean – Part 2", journal "Zeitschrift für Geomorphologie" (E. Schweizerbart).

2021: Guest co-editor of the Special Issue "Geomorphology, Quaternary Geology and Geoarchaeology of the Eastern Mediterranean – Part 1", journal "Zeitschrift für Geomorphologie" (E. Schweizerbart).

2021: Co-editor of the "Book of Proceedings – The Role of Geomorphology in Modern Society", Bulletin of the Geological Society of Greece, Special Publication No 8, 2021.

2018: Co-editor of the book "Contemporary issues of natural and human induced disasters: The new agenda for Greece during the crisis" Kapsimi Publications (ISBN: 978-618-5156-44-2) *(in Greek)*

2015: Guest Editor of the "Special Section: Coastal and Fluvial Processes", journal Geographies (Nissos Academic Publishing). *(in Greek)*

2014: Co-editor of the book "The Geography of Coastal and Insular Areas" Stamoulis Publications (ISBN: 9789603519270) *(in Greek)*

SERVICE ON ORGANIZING AND SCIENTIFIC COMMITTEES OF CONFERENCES

2025: Member of the scientific committee of the conference "Safe Heraklion 2025", October 22 - 24, Heraklion, Crete, Greece.

2025: Member of the scientific committee of the IAG Regional Conference on Geomorphology – Geomorphology for Society: Challenges and opportunities, Timisoara, Romania, 16-18 September 2025.

2025: Member of the organizing committee of the 17th International Congress of the Geological Society of Greece, May 28-31, Mytilene, Lesbos, Greece.

2004: Member of the organizing committee of the "Risk in Time and Space", 32nd Annual Conference, SPA 2024. 2-5 June 2024, Harokopio University.

2023: Member of the scientific committee of the Regional Conference on Geomorphology of the International Association of Geomorphologists in Cappadocia, Turkey.

2022: Member of the scientific committee of the conference "Safe Thessaloniki 2022", September 29 – October 1, Thessaloniki, Greece.

2022: Member of the scientific committee of the 16th International Congress of the Geological Society of Greece, October 17-19, Patras, Greece.

2022: Member of the scientific committee of the 10th International Conference on Geomorphology of the International Association of Geomorphologists, September 12-16, University of Coimbra, Coimbra, Portugal.

2021: Member of the scientific committee of the 8th on-line International Conference on Civil Protection & New Technologies "Safe Greece 2021".

- 2020:** Member of the scientific committee of the 7th on-line International Conference on Civil Protection & New Technologies conference “Safe Greece 2020”.
- 2019:** Member of the organizing committee of the Regional Conference on Geomorphology of the International Association of Geomorphologists in Athens.
- 2017:** Member of the scientific committee of the conference “Safe Athens 2017”, June 28-30, Harokopio University, Athens, Greece.
- 2014:** Member of the organizing and scientific committees of the 10th Panhellenic Conference of the Hellenic Geographical Society, October 22-24 2014, Aristotle University of Thessaloniki, Thessaloniki, Greece.
- 2011:** Member of the organizing committee of the 17th European Colloquium on Quantitative and Theoretical Geography (ECQTG2011), Harokopio University, 2-5 September 2011.
- 2010:** Member of the organizing committee of the “3rd International Conference on Environmental and Geological Science and Engineering (EG’10)” Constantza Maritime University, Constantza, Romania, 3-5 September, 2010
- 2010:** Member of the organizing committee of the “5th IASME/WSEAS International Conference on Water Resources, Hydraulics and Hydrology (WHH’10)”, 23-25 February 2010, University of Cambridge, UK.
- 2010:** Member of the organizing committee of the 9th Panhellenic Conference of the Hellenic Geographical Society, November 2010, Harokopio University, Athens, Greece.
- 2010:** Member of the organizing committee of the conference “Geography of Coastal areas and Islands”, 20 October 2010, Department of Geography, Harokopio University, Athens, Greece.
- 2009:** Member of the organizing committee of the conference “Climate Change and Green Energy”, 29 October 2009, Department of Geography, Harokopio University, Athens, Greece.
- 2008:** Member of the international scientific committee of the conference “Environmental and Geological Science and Engineering”, 11-13 September 2008, Malta.
- 2008:** Member of the organizing committee of the 2nd IASME/WSEAS International Conference on Geology and Seismology (GES 08) University of Cambridge, UK, 23-25 February, 2008.
- 2007:** Member of the organizing committee of the 1st IASME/WSEAS International Conference on Geology and Seismology (GES 07), Portorose, Slovenia, 15-17 May, 2007.
- 2007:** Member of the organizing committee of the 8th Panhellenic Conference of the Hellenic Geographical Society, October 2007, Athens, Greece.
- 2005:** Member of the organizing committee of the 7th Panhellenic Congress of Hydrogeology of the Committee of Hydrogeology of the Geological Society of Greece, September 2005, Athens.
- 2004:** Member of the organizing committee of the 7th Panhellenic Conference of the Hellenic Geographical Society, October 2004, Mytilene, Greece.
- 2003:** Member of the organizing committee of the International Conference “Sea-level changes in Eastern Mediterranean during Holocene: Indicators and Human Impacts”, organized by the working group of Geoarchaeology if the International Association of Geomorphologists (IAG), October 2003, Harokopio University, Athens, Greece.
- 2002:** Member of the organizing committee of the 6^h Panhellenic Conference of the Hellenic Geographical Society, October 2002, Thessaloniki, Greece.
- 1995:** Member of the organizing committee of the 4th Panhellenic Conference of the Hellenic Geographical Society, October 1995, Athens, Greece.

CONVENER OF SESSIONS AT SCIENTIFIC CONFERENCES

- 2025:** Convener of the session “Advancing coastal dynamics: Multidisciplinary approaches to relative sea-level change and tectonic uplift” of the IAG Regional Conference on Geomorphology – Geomorphology for Society: Challenges and opportunities, Timisoara, Romania, 16-18 September.
- 2025:** Convener of the session “Geomorphology” of the 17th International Congress of the Geological Society of Greece, 28-31 May, Mytilene, Lesvos, Greece.
- 2025:** Convener of the 2025 International Association of Geomorphologists (IAG) Southern Europe Webinar, 4th March.
- 2024:** Convener of the 2024 International Association of Geomorphologists (IAG) Southern Europe Webinar, 1st March.
- 2023:** Convener of the session “Tectonic and Seismic Geomorphology” of the IAG working group on Tectonic Geomorphology, Regional Conference on Geomorphology of the International Association of Geomorphologists, 12-14 September, Cappadocia, Turkiye.

- 2023:** Convener of the 2023 International Association of Geomorphologists (IAG) Southern Europe Webinar, 2nd March.
- 2022:** Convener of the session “Geomorphology, Quaternary Geology and Geoarchaeology” of the 16th International Congress of the Geological Society of Greece, October 17-19, Patras, Greece.
- 2022:** Convenier of the session “Tectonic and Seismic Geomorphology” of the IAG working group on Teconic Geomorphology, 10th International Conference on Geomorphology of the International Association of Geomorphologists, September 12-16, University of Coimbra, Coimbra, Portugal.
- 2019:** Convenier of the session of the working group on Teconic Geomorphology of the International Association of Geomorphologists, IAG Regional Conference, September 22-27, University of Athens, Athens, Greece.
- 2019:** Convenier of the session “Geomorphology, Quaternary Geology and Geoarchaeology” of the “15th International Congress of the Geological Society of Greece”, 22 - 24 May, Harokopio University, Athens, Greece.
- 2015:** Convenier of the session of the working group of Teconic Geomorphology of the International Association of Geomorphologists, IAG Regional Conference, July 2-4, University of Altai, Barnaul Russia.

SERVICE ON ORGANIZING AND SCIENTIFIC COMMITTEES FOR INTENSIVE COURSES

- 2019:** Chief organizer of the training course of the International Association of Geomorphologists (IAG) titled “Coastal Geomorphology of Climatically and Tectonically Sensitive Areas” co-organized and co-funded with the European Geosciences Union (EGU). The course took place within the framework of the Regional Conference in Geomorphology 2019, from September 22 to 27 in Athens and the North Peloponnese.
- 2017:** Co-organizer (together with Prof. Mauro Soldati from the University of Modena and Reggio Emilia (UNIMORE), Italy) of the educational program “Field Course on Geohazards and Disaster Risk Reduction”, which took place from April 4 to 7. The main focus of the program was the study, mapping, and monitoring of coastal landslides along the northwestern coasts of Malta.
- 2016:** Member of the Scientific Committee for the Summer School “Alps vs Apennines: Tectonic Geomorphology of Mountains”, organized by the Working Group on Tectonic Geomorphology of the International Association of Geomorphologists (IAG). The program was held from July 2 to 9, in Peveragno (Piedmont) and Assergi (Central Apennines), Italy.

MEMBER OF GREEK AND INTERNATIONAL SCIENTIFIC BODIES

- 2022-2026:** Member of the Excecutive Committee of the International Association of Geomorphologists (IAG), responsible for the Young Geomorphologists Training Programe and communication with the European Countries.
- 2020-2022:** Co-chair of the Working Group on Tectonic Geomorphology, International Association of Geomorphologists (IAG).
- 2023-today:** Secretary General of the Committee for Geomorphology and Environment of the Geological Society of Greece.
- 2015-today:** Member of the Working Group on Tectonic Geomorphology of the International Association of Geomorphologists.
- 2015-today:** Member of the Geological Society of South Africa.
- 2005-today:** Member of the Hellenic Committee for Geomorphology and Environment of the Geological Society of Greece.
- 2005-today:** Member of the Hellenic Committee for Paleontology and Stratigraphy of the Geological Society of Greece.
- 2005-today:** Member of the Hellenic Committee for Hydrogeology of the Geological Society of Greece.
- 2012-today:** Member of the European Geophysical Union (EGU).
- 1998-today:** Member of the Geological Society of Greece.
- 2018-2023:** President of the Committee for Geomorphology and Environment of the Geological Society of Greece.
- 2011-2015:** Treasurer of the Hellenic Geomorphological Society.
- 2010-2012:** Member of the Executive Committee of the Hellenic Committee for Geomorphology and Environment of the Geological Society of Greece.

1993-2008: Special Secretary of the Hellenic Geographical Society.
2008-2015: Secretary General of the Hellenic Geographical Society.
1993-today: Member of the Hellenic Geographical Society.
1992-today: Member of the Greek Geologists Association.
1992-today: Member of the Geotechnical Chamber of Greece.

REVIEWER FOR SCIENTIFIC JOURNALS AND CONFERENCE PROCEEDINGS

2000-today: Reviewer of papers for many scientific journals and conference proceedings' papers (among them "Geographies" (Greek Scientific Journal), Hellenic Journal of Geosciences, Proceedings of WSEAS conferences, proceedings of Panhellenic Conferences of the Hellenic Geographical Society, proceedings of the XIX Congress of the Carpathian-Balkan Geological Association, the Journal of Geology Chicago Journals, Journal of Hydrology – Elsevier, Central European Journal of Geosciences – Springer, Quaestiones Geographicae, Journal of Maps - Taylor and Francis, Geo-Marine Letters – Springer, Geomorphology – Elsevier, Regional Studies in Marine Science – Elsevier, Marine Geology – Elsevier, Landslides – Springer, Natural Hazards – Springer, Bulletin of Engineering Geology and the Environment – Springer, Ocean and Coastal Management – Elsevier, Geocarto – Taylor and Francis, "Geosciences, Remote Sensing, Water, Sustainability, Journal of Marine Science and Engineering, International Journal of Environmental Research and Public Health, Land" MDPI

POSITIONS OF TRUST AND RESEARCH EVALUATION ROLES

2017-today: Hellenic Foundation for Research & Innovation: Appointed as an evaluator for research proposals, postdoctoral proposals, high-value research equipment procurement proposals, and scholarship proposals for PhD candidates.

2024: Sapienza University of Rome: Appointed to evaluate research projects.

2021: Deutsche Forschungsgemeinschaft (German Research Foundation): Appointed as an evaluator for grant proposals.

2021: International Union of Geological Sciences (IUGS) and UNESCO Global Geoparks: Appointed as a reviewer for Global Geopark applications.

2019: Sapienza University of Rome: Appointed to evaluate research projects.

2016: Programma per Giovani Ricercatori "Rita Levi Montalcini": Appointed as an evaluator of Italian research proposals for postdoctoral funding.

2016: PRIN: Progetti di Ricerca di Rilevante Interesse Nazionale - Call 2015: Appointed as an evaluator of Italian research proposals for national research funding.

2015: THALES/EKPA Project (MIS 375908): External evaluator for the project titled "Investigation of the Impacts of Climate Change on River Deltas: Application to the Case of the Pinios River Delta (Thessaly)"

2015: Heracleitus II Project, Harokopio University: Appointed as an evaluator for the Department of Geography in the project "Strengthening Human Research Potential through Doctoral Research".

2009: Heracleitus II Scholarships: Appointed as an evaluator for doctoral scholarship applications.

2003-2005: Greek Ministry of Education: Member of the evaluation committee for the project "CD-ROM for Supporting Geography Teaching in Elementary Schools".

2003-2005: Greek Ministry of Education: Member of the evaluation committee for the project "CD-ROM for Supporting Geography Teaching in High Schools".

DISTINCTIONS/AWARDS

2023: Best presentation award at the conference "8th Conference of crisis management in Health". Title of work awarded: "The use of geospatial tools in extreme crisis events and the management of victims" in collaboration with N. Degermetzoglou, M. Nikolidaki, E. Karamagkioli, and E. Pikouli.

2017: Best poster presentation award at the conference "MEDCOAST' 17 - The 13th International MEDCOAST Congress on Coastal and Marine Sciences, Engineering, Management and Conservation, MEDCOAST 2017", Malta, 31 October - 4 November 2017. The title of the poster was "Geomorphology of the Lilas River fan delta (central Evia, Greece)" in collaboration with K. Valkanou, I. Tsodoulos, G. Iliopoulos, K. Tsanakas, V.D. Batzakis, G. Tsironis and Ch. Gallousi.

- 2011:** Award of the Academy of Athens in Geology, for the paper “Quaternary marine terraces as indicators of neotectonic activity of the Ierapetra normal fault SE Crete (Greece)” published in “Geomorphology” in collaboration with K. Gaki-Papanastassiou, H. Maroukian and D. Papanastassiou.
- 2011:** Best poster presentation award at the conference “MEDCOAST’ 11 - The 10th International Conference on the Mediterranean Coastal Environment”, Rhodes Island, 25-29 October 2011. The title of the poster was “Land Cover Changes in the Coastal Peri-Urban Zone of Corinth, Greece” in collaboration with Ch. Chalkias, A. Papadopoulos, A. Ouilis and V. Detsis.
- 1992-1995:** Awarded a three-year scholarship by the Greek State (State Scholarships Foundation) for PhD studies.