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Curriculum Vitae

Ioannis Koukouvelas was born in Thiva, Greece, in 1962. He studied geology at the University of Patras (UoP) and graduated in 1984. He carried out postgraduate studies at the University of Patras (Geology Department), completing his PhD thesis, in 1989, with the title "Geotectonic Evolution of the Rhodope Zone" under the supervision of Prof. T. Doutsos. In 1995, he joined the faculty of the Geology Department of the University of Patras as a lecturer. Since 2010, he has been a professor of Geology. He has conducted postdoctoral work at Stanford University (USA) and St. Marys University of Canada.

Courses

1) Earthquake Geology (Geology Department, UoP)
2) Geological Mapping (Geology Department, UoP)
3) Geology for Civil Engineers (Civil Engineering Department, UoP)
4) Geology of Greece (Geology Department, UoP)
5) Geology (Material Science Department, UoP) (Τμήμα Γεωλογίας, Πανεπιστήμιο Πατρών (ΠΠ)

Publications: more than 300 publications in journal and abstracts in national and international congresses.

Text books: (a) Structural Geology, (b) Geology of Greece, (c) Earthquake Geology, (d) Geology for Civil Engineers.

Supervised theses: twelve PhDs, 28 MSc, 40 graduate theses.

Research Interests

1) Earthquake geology – Palaeoseismology.

2) Geological evolution of Hellenides.

3) Natural Hazards.

4) Quantitative monitoring of landslides with the use of new technologies.

Επιλεγμένες Δημοσιεύσεις

10 selected publications, for the full list of publication in peer review journals please see https://scholar.google.gr/citations?user=grD_-RoAAAAJ&hl=el

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Nikolakopoulos, K.G., Soura, K., **Koukouvelas, I.K.**, Argyropoulos, N. G., 2017. UAV vs classical aerial photogrammetry for archaeological studies. Journal of Archaeological Science: Reports, 14, 758- 773.

Koukouvelas I.K., Zygouri V., Papadopoulos G.A., Verroios S., 2017. Holocene record of slip-predictable earthquakes on the Kenchreai Fault, Gulf of Corinth, Greece. Journal of Structural Geology, 94, 258-274.

Zygouri, V., **Koukouvelas, I.K.**, 2018. Landslides and natural dams in the Krathis River, north Peloponnese, Greece. Bulletin of Engineering Geology and the Environment https://doi.org/ 10.1007/s10064-017-1225-y

Koukouvelas, I.K., Zygouri, V., Nikolakopoulos, K., Verroios, S. 2018. Treatise on the tectonic geomorphology of active faults: The significance of using a universal digital elevation model. Journal of Structural Geology 116, 241-252.

Koukouvelas, I.K., Piper, D.J.W., Katsonopoulou, D., Kontopoulos, N., Verroios, S., Nikolakopoulos, K., Zygouri, V., 2020. Earthquake-triggered landslides and mudflows: Was this the wave that engulfed Ancient Helike? The Holocene 30 (12), 1653-1668.

Koukouvelas, I.K., Nikolakopoulos, K., Zygouri, V., Kyriou, A., 2020. Post-seismic monitoring of cliff mass wasting using an unmanned aerial vehicle and field data at Egremni, Lefkada Island, Greece. Geomorphology, 367, https://doi.org/107306 doi.org/10.1016/j.geomorph.2020.107306

Koukouvelas, IK, Nikolakopoulos, KG, Kyriou, A, Caputo, R, Belesis, A, Zygouri, V, Verroios, S, Apostolopoulos, D, Tsentzos, I, 2021. The March 2021 Damasi Earthquake Sequence, Central Greece: Reactivation Evidence across the Westward Propagating Tyrnavos Graben. Geosciences 2021, 11, 328. https://doi.org/10.3390/geosciences11080328.

Kyriou, A.; Nikolakopoulos, K.G.; **Koukouvelas, I.K.** 2022. Timely and Low-Cost Remote Sensing Practices for the Assessment of Landslide Activity in the Service of Hazard Management. Remote Sensing 2022, 14, 4745. https://doi.org/10.3390/rs14194745

Koukouvelas, I.K., Caputo, R., Nikolakopoulos, K.G., Kyriou, A., Famiglietti, N.A. 2023. Is the Mesochori Fault a Key Structure for Understanding the Earthquake Activity during the 2021 Damasi Earthquakes in Northern Thessaly, Greece? Geosciences 2023, 13, 331. https://doi.org/10.3390/ geosciences13110331

Zygouri, V., **Koukouvelas, I.K.**, Ganas, A., Tsimi, C., 2023. Clustering of earthquakes along the Pidima-Anthia normal fault: New data from palaeoseismology and tectonic geomorphology and their significance on the earthquake's regularity and recurrence across southern Greece. Journal of Structural Geology, 176, 104974.