



Professor Ioannis Koukouvelas

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https://www.researchgate.net/profile/Ioannis_Koukouvelas

Curriculum Vitae

Prof. I. Koukouvelas was born in Thiva, Greece, in 1962. He studied geology at the University of Patras from where he was graduated in 1984. He carried out postgraduate studies at University of Patras (Geology Department) and completed (1989) his PhD thesis on "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. Since 2010 he is professor of Geology. He has conducted postdoctoral work at the Stanford University (USA) and St. Marys University of Canada.

Teaching Courses

- 1) Earthquake Geology (Geology Department, University of Patras (UoP))
- 2) Geological Mapping (Geology Department, UoP)
- 3) Geodynamics (Geology Department, UoP)
- 4) Geology of Greece (Geology Department, UoP)
- 5) Geology (Civil Engineering Department, UoP)
- 6) Geology (Material Sciences Department, UoP)

Published papers: more than 220 papers in journals and proceedings of congresses.

Three text books.

Nine supervised PhDs, more than 20 MSc, more than 30 student theses.

Research Activities

- 1) Earthquake Geology – Paleoseismology,
- 2) Geology of Greece,
- 3) Hazard analysis and secondary effects of earthquakes.
- 4) Quantitative monitoring of post-earthquake landslides with the use of UAVs.

Publications

10 Selected publications over the last five years (referred journals only).

Kokkalas, S., Kamperis, E., Xypolias, P., Sotiropoulos, S., **Koukouvelas, I.**, 2013. Coexistence of thin- and thick-skinned tectonics in Zakynthos area (Western Greece): insights from seismic sections and regional seismicity. *Tectonophysics* 597-598, 73-84.

Zygouri, V., **Koukouvelas, I.**, Kokkalas, S., Xypolias, P., Papadopoulos G.A., 2015. The Nisi Fault as a key structure for understanding the active deformation of the NW Peloponnese, Greece. *Geomorphology*, 237, 142-156.

Papadopoulos, G.A., Karastathis, V. K., **Koukouvelas, I.**, Baskoutas, I., Chouliaras, G., Agalos, A.,

- Minadakis, G., Mouzakiotis, A., Sachpazi, M., Daskalaki, E., Moshou, A., Orfanogiannaki, K., Papageorgiou, A., Spanos, D., Triantafyllou, I., 2014. The Cephalonia, Ionian Sea (Greece), sequence of strong earthquakes of January-February 2014: a first report. *Research in Geophysics*, 4, article no 5441.
- Koukouvelas, I.K.**, Litoseliti, A., Nikolakopoulos K., Zygouri, V.2015. Earthquake triggered rock falls and their role in the development of a rock slope: The case of Skolis Mountain, Greece. *Engineering Geology* 191, 71–85.
- Tsodoulos, I.M., Konstantinos Stamoulis, K., Caputo, R., **Koukouvelas, I.**, Chatzipetros, A., Pavlides, S., Gallousi, C., Papachristodoulou, C., Ioannides, K. 2016. Middle–Late Holocene earthquake history of the Gyrtani Fault, Central Greece: Insight from optically stimulated luminescence (OSL) dating and paleoseismology. *Tectonophysics*, 687, 14-27.
- Nicolakopoulos, 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.
- Nicolakopoulos, K., Kavoura, K., Depountis, N., Kyriou, A., Argyropoulos, N., **Koukouvelas, I.K.**, Sabatakakis, N., 2017. Preliminary results from active landslide monitoring using multidisciplinary surveys. *European Journal of Remote Sensing* doi: 10.1080/22797254.2017.1324741.
- 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.