

Biographical Sketch



Ioannis Kassaras

Title: Assistant Prof. of Seismology

Department: Geophysics-Geothermics

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Academic Qualifications:

- Ph.D. in Seismology (2002) Dept. of Geology, University of Athens
- B.Sc. in Geology (1989) Dept. of Geology and Geoenvironment, University of Athens

Appointments:

- July 2013 - today: Assistant Professor of Seismology, Dpt. Geophysics-Geothermics, University of Athens.
- January 2009 - July 2013: Lecturer of Seismology, Dpt. Geophysics-Geothermics, University of Athens.
- 2003-2009: Laboratory Teaching Staff, Dpt. Geophysics-Geothermics, University of Athens.
- 1995-2003: Research, Technical and Administrative Staff, Dpt. Geophysics-Geothermics, University of Athens.
- 1993-1995: Research Fellow, Dpt. Geophysics-Geothermics, University of Athens.
- 1991: Research Fellow at Laboratoire de Geophysique Interne et Tectonophysique (LGIT, Grenoble, France).
- 1989-1991: Research Fellow, Dpt. Geophysics-Geothermics, University of Athens.

Teaching Activities: (current)

Undergraduate courses

- Seismology
- Plate Tectonics, Seismology of Greece
- Engineering Seismology
- Earth structure

Postgraduate courses

- Advanced Seismology
- Signal processing
- Data analysis
- Supervision of MSc and PhD dissertations

Research Interests/Activities: (last 10 years)

- Earthquake source properties
- Seismotectonics and active deformation
- Seismic structure of the Earth's interior, surface waves
- Engineering seismology, microzonation
- Response and vulnerability of structures and historical monuments

Scientific Publications/Citations:

- 23 publications in refereed journals.
- 23 refereed conference publications.
- 60 abstract publications in International Congresses.
- Author of three book chapters.
- More than 900 citations. (H-index 12).

Selected publications

- I. Kassaras, V. Kapetanidis, A. Karakonstantis, (2016). On the spatial distribution of seismicity and the 3D tectonic stress field in western Greece. *Physics and Chemistry of The Earth* 03/2016; DOI:10.1016/j.pce.2016.03.012

- I. Kassaras, Z. Roumelioti, O-J. Ktenidou, K. Pitilakis, N. Voulgaris, Kostas Makropoulos, 2016. Accelerometric data and web portal for the vertical CORinth gulf Soft Soil Array (CORSSA). 14th International Congress of the Geological Society of Greece, Thessaloniki, paper No 137
- I. Kassaras, D. Kalantoni, C. Benetatos, G. Kaviris, K. Michalaki, N. Sakellariou, K. Makropoulos, 2015. Seismic damage scenarios in Lefkas old town (W. Greece). *Bulletin of Earthquake Engineering* 06/2015; 13(12). DOI:10.1007/s10518-015-9789-z
- I. Kassaras and J. Sotirhos, 2015. Short notes on the Seismic Vulnerability of Greece under Austerity, *Austin J Earth Sci.* 2015;2(1): 1007
- G. Chouliaras, I. Kassaras, V. Kapetanidis, P. Petrou, G. Drakatos, 2015. Seismotectonic analysis of the 2013 seismic sequence at the western Corinth rift, *Journal of Geodynamics*, 90, 42-57.
- I. Kassaras, D. Kalantoni, A. Pomonis, V. Kouskouna, F. Karababa, K. Makropoulos: Development of seismic damage scenarios in Lefkada old town (W. Greece), 2014. Part I: Vulnerability assessment of local constructions with the use of EMS-98. *Bulletin of Earthquake Engineering*, doi: 10.1007/s10518-014-9643-8
- I. Kassaras, V. Kapetanidis, A. Karakonstantis, V. Kouskouna, A. Ganas, G. Chouliaras, G. Drakatos, A. Moshou, V. Mitropoulou, P. Argyrakis, E. Lekkas, K. Makropoulos, 2014. Constraints on the dynamics and spatio-temporal evolution of the 2011 Oichalia seismic swarm (SW Peloponnesus, Greece). *Tectonophysics*, doi: 10.1016/j.tecto.2013.12.012
- I. Kassaras, V. Kapetanidis, A. Karakonstantis, G. Kaviris, P. Papadimitriou, N. Voulgaris, K. Makropoulos, G. Popandopoulos, A. Moshou, 2013. The April-June 2007 Trichonis Lake earthquake swarm (W. Greece). New implications toward the causative fault zone. *Journal of Geodynamics*, doi:0.1016/j.jog.2013.09.004
- I. Kassaras, F. Louis, K. Makropoulos, A. Magganis and D. Hatzfeld, 2009. Elastic-Anelastic Properties of the Aegean Lithosphere-Asthenosphere Inferred from Long Period Rayleigh Waves, in "The Lithosphere: Geochemistry, Geology and Geophysics", Eds. J. E. Anderson and R. W. Coates, ISBN: 978-1-60456-903-2, Nova Publishers, N.Y., USA, p. 267-294

Other Activities:

- Participation in more than 20 research programs
- Participation in 35 International Congresses
- Development of Seismological networks
- Supervisor of the RASMON and CORSSA accelerometric arrays
- In charge of the scientific equipment of the Dept. Geophysics-Geothermics, University of Athens.
- Public briefing on earthquake issues.