

# Curriculum Vitae

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## Contact Information – Personal Information

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### Sokos Efthimios

Lecturer, Department of Geology, University of Patras

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## Education

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**2000 –2001:** Post Doctoral fellowship, Greek State Scholarship Foundation

**1998:** Doctor of Philosophy, University of Patras, Department of Geology

**1992:** Bachelor's Degree, University of Patras, Department of Geology,

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## Publications - International Journals (last two years)

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Ganas, A, **Sokos**, E, Agalos, A, Leontakianakos, G, Pavlides S, 2006. Coulomb stress triggering of earthquakes along the Atalanti Fault, central Greece: Two April 1894 M6+ events and stress change patterns. *Tectonophysics*, 420, 357–369.

Tselentis, G-A., Gkika, F., and **Sokos** E., 2006: Tsunami hazards associated with the Perachora fault at Eastern Corinth Gulf-Greece. *Bulletin of the Seismological Society of America*, Vol. 96, No. 5, 1649–1661

Jansky, J., E. **Sokos**, A. Serpetsidaki, H. Lyon-Caen, 2006. Station correction of PATNET network for improvement of earthquake location in central part of Gulf of Corinth. *Acta Geodyn. Geomater.*, Vol. 3, No. 4 (144), 77-85.

G-A. Tselentis, E. **Sokos**, N. Martakis and A. Serpetsidaki., 2006: Seismicity and Seismotectonics in Epirus, Western Greece: Results from a Microearthquake Survey. *Bulletin of the Seismological Society of America*, Vol. 96, No. 5, 1706–1717

Etiopie, G., Papatheodorou, G., Christodoulou, D., Ferentinos, G., **Sokos**, E., Favali, P., 2006. Methane and hydrogen sulfide seepage in the NW Peloponnesus petroliferous basin (Greece): origin and geohazard. *AAPG Bull.* 90 (5), 701–713.

Tselentis, G-A. Serpetsidaki, A. Martakis, N. **Sokos**, E. Paraskevopoulos, P and Kapotas, S., 2007: Local high resolution passive seismic tomography and Kohonen neural networks, application at the Rio-Antirrio Strait, Central Greece. *Geophysics*, Vol.72, No.4, B93-B106.

M. Sachpazi, A. Galve, M. Laigle, A. Hirn, E. **Sokos**, A. Serpetsidaki, J.-M. Marthelot, J.M. Pi Alperin, B. Zelt and B. Taylor, 2007. Moho topography under central Greece and its compensation by Pn time-terms for the accurate location of hypocenters:

The example of the Gulf of Corinth 1995 Aigion earthquake, *Tectonophysics*, Vol.440, 53-65.

Zahradnik, J., **Sokos**, E., Tselentis, G-A and Martakis, N., 2008. Non-double-couple mechanism of moderate earthquakes near Zakynthos, Greece, April 2006; explanation in terms of complexity, *Geophysical Prospecting*, 56, 341-356.

**Sokos**, E. and Zahradnik, J, 2008 . ISOLA A Fortran code and a Matlab GUI to perform multiple-point source inversion of seismic data. *Computers and Geosciences*, 34, 967-977.

Kiratzi, A., **Sokos**, E., Ganas A., Tselentis A., Benetatos C., Roumelioti Z., Serpetsidaki A., Andriopoulos G., Galanis O., Petrou P., 2008. The April 2007 earthquake swarm near Lake Trichonis and implications for active tectonics in western Greece. *Tectonophysics*, 452, 51-65.

Zahradnik, J., F. Gallovic, E. **Sokos**, A. Serpetsidaki and G-A. Tselentis: Quick Fault-Plane Identification by a Geometrical Method: Application to the Mw 6.2 Leonidio Earthquake, 6 January 2008, Greece. *Seismological Research Letters* Volume 79, Number 5, September/October 2008, 653-662.

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## Research Interests

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Seismic source studies, seismic hazard, strong ground motion synthesis, microseismic networks.