

PERSONAL INFORMATION	
SURNAME:	SOKOS
NAME:	EFTHIMIOS
DATE OF BIRTH:	SEPTEMBER 4, 1969
PLACE OF RESIDENCE:	PATRAS, GREECE
e-mail	esokos@upatras.gr
TEL.	+30 2610 -997204, 6973495259

CURRENT POSITION(S)

02.2020 - **Professor of Seismology/Engineering Seismology**
Geology Department, University of Patras, Greece

PREVIOUS POSITION(S)

11.2015 – 02.2020 **Associate professor**
Geology Department, University of Patras, Greece

02.2010 – 11.2015 **Assistant professor**
Geology Department, University of Patras, Greece

09.2005 – 02.2010 **Lecturer**
Geology Department, University of Patras, Greece

12.2002 – 09.2005 **Researcher**
Institute of Geodynamics, National Observatory of Athens, Athens, Greece

EDUCATION

06.1993 - 11.1998 Geology Department, University of Patras, Greece, “Synthetic ground motions, for the city of Patras, with emphasis on the local site conditions” (in Greek), PhD

09.1987 - 09.1992 Geology Department, University of Patras, Greece, Bachelor’s Degree

PUBLICATIONS

(2014-2019) SCI Journals only

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- A Reappraisal of Seismicity Recorded During the 1996 Gjálp Eruption, Iceland, in light of the 2014–2015 Bárðarbunga–Holuhraun Lateral Dike Intrusion. Konstantinou, K. I., Utami, I. W., Giannopoulos, D. & Sokos, E. Pure Appl. Geophys. (2019) DOI:10.1007/s00024-019-02387-x
 - Generalized source model of the North Korea tests 2009-2017. Liu, J., Li, L., Zahradník, J., Sokos, E. & Plicka, V. Seismol. Res. Lett. 89, 2166–2173 (2018) DOI:10.1785/0220180106
 - North Korea’s 2017 Test and its Nontectonic Aftershock. Liu, J., Li, L., Zahradník, J., Sokos, E., Liu, C. & Tian, X. Geophys. Res. Lett. 45, 3017–3025 (2018) DOI:10.1002/2018GL077095
 - Fitting waveform envelopes to derive focal mechanisms of moderate earthquakes. Zahradník, J. & Sokos, E. Seismol. Res. Lett. 89, 1137–1145 (2018) DOI:10.1785/0220170161
 - Ambient noise tomography of the western Corinth Rift, Greece. Giannopoulos, D., Rivet, D., Sokos, E., Deschamps, A., Mordret, A., Lyon-Caen, H., Bernard, P., Paraskevopoulos, P. & Tselentis, G.-A. Geophys. J. Int. 211, 284–299 (2017)

- A recent deep earthquake doublet in light of long-term evolution of Nazca subduction. Zahradník, J., Cízková, H., Bina, C. R., Sokos, E., Janský, J., Tavera, H. & Carvalho, J. *Sci. Rep.* 7, (2017) DOI:10.1038/srep45153
- The Virtual Seismologist in SeisComp3: A New Implementation Strategy for Earthquake Early Warning Algorithms. Behr, Y., Clinton, J. F., Cauzzi, C., Hauksson, E., Jansdttir, K., Marius, C. G., Pinar, A., Salichon, J. & Sokos, E. *Seismol. Res. Lett.* 87, (2016) DOI:10.1785/0220150235
- Studying seismic sources: Theory, methods and applications. D'Amico, S., Evangelidis, C. & Sokos, E. *Phys. Chem. Earth* 95, 1 (2016) DOI:10.1016/j.pce.2016.10.009
- Quantifying capability of a local seismic network in terms of locations and focal mechanism solutions of weak earthquakes. Fojtíková, L., Kristeková, M., Málek, J., Sokos, E., Csicsay, K. & Zahradník, J. *J. Seismol.* 20, 93–106 (2016) DOI:10.1007/s10950-015-9512-1
- Slab segmentation controls the interplate slip motion in the SW Hellenic subduction: New insight from the 2008 Mw6.8 Methoni interplate earthquake. Sachpazi, M., Laigle, M., Charalampakis, M., Sakellariou, D., Flueh, E., Sokos, E., Daskalaki, E., Galvé, A., Petrou, P. & Hirn, A. *Geophys. Res. Lett.* 43, 9619–9626 (2016) DOI:10.1002/2016GL070447
- A ten year Moment Tensor database for Western Greece. Serpetsidaki, A., Sokos, E. & Tselentis, G.-A. *Phys. Chem. Earth* 95, (2016) DOI:10.1016/j.pce.2016.04.007
- Towards earthquake early warning for the Rion-Antirion bridge, Greece. Sokos, E., Tselentis, G.-A., Paraskevopoulos, P., Serpetsidaki, A., Stathopoulos-Vlami, A. & Panagis, A. *Bull. Earthq. Eng.* 14, (2016) DOI:10.1007/s10518-016-9893-8
- Asperity break after 12 years: The Mw6.4 2015 Lefkada (Greece) earthquake. Sokos, E., Zahradník, J., Gallovič, F., Serpetsidaki, A., Plicka, V. & Kiratzi, A. *Geophys. Res. Lett.* 43, 6137–6145 (2016) DOI:10.1002/2016GL069427
- Scisola: Automatic moment tensor solution for SeisComp3. Triantafyllis, N., Sokos, E., Ilias, A. & Zahradník, J. *Seismol. Res. Lett.* 87, 157–163 (2016) DOI:10.1785/0220150065
- The 2013 earthquake swarm in Helike, Greece: Seismic activity at the root of old normal faults. Kapetanidis, V., Deschamps, A., Papadimitriou, P., Matrullo, E., Karakonstantis, A., Bozionelos, G., Kaviris, G., Serpetsidaki, A., Lyon-caen, H., Voulgaris, N., et al. *Geophys. J. Int.* 202, (2015) DOI:10.1093/gji/ggv249
- Dispersion of Love waves from the 2010 Efpalio earthquake in the Corinth Gulf region, Greece. Novotný, O., Vackář, J. & Sokos, E. *J. Seismol.* 19, 801–806 (2015) DOI:10.1007/s10950-015-9492-1
- Rupture process of the 2014 Cephalonia, Greece, earthquake doublet (Mw6) as inferred from regional and local seismic data. Sokos, E., Kiratzi, A., Gallovič, F., Zahradník, J., Serpetsidaki, A., Plicka, V., Janský, J., Kostecký, J. & Tselentis, G.-A. *Tectonophysics* 656, 131–141 (2015) DOI:10.1016/j.tecto.2015.06.013
- Compromising polarity and waveform constraints in focal-mechanism solutions; the Mara Rosa 2010 Mw 4 central Brazil earthquake revisited. Zahradník, J., Fojtíková, L., Carvalho, J., Barros, L. V., Sokos, E. & Janský, J. *J. South Am. Earth Sci.* 63, 323–333 (2015) DOI:10.1016/j.jsames.2015.08.011
- Shear wave splitting and VP/VS variations before and after the Efpalio earthquake sequence, western Gulf of Corinth, Greece. Giannopoulos, D., Sokos, E., Konstantinou, K. I. & Tselentis, G.-A. *Geophys. J. Int.* 200, 1436–1448 (2014) DOI:10.1093/gji/ggu467
- Near-regional CMT and multiple-point source solution of the September 5, 2012, Nicoya, Costa Rica Mw 7.6 (GCMT) earthquake. Quintero, R., Zahradník, J. & Sokos, E. *J. South Am. Earth Sci.* 55, 155–165 (2014) DOI:10.1016/j.jsames.2014.07.009
- New constraints from seismology and geodesy on the Mw= 6.4 2008 Movri (Greece) earthquake: Evidence for a growing strike-slip fault system. Serpetsidaki, A., Elias, P., Iliava, M., Bernard, P., Briole, P., Deschamps, A., Lambotte, S., Lyon-Caen, H., Sokos, E. & Tselentis, G.-A. *Geophys. J. Int.* 198, 1373–1386 (2014) DOI:10.1093/gji/ggu212
- Strong fast long-period waves in the Efpalio 2010 earthquake records: Explanation in terms of leaking modes. Vackář, J., Zahradník, J. & Sokos, E. *J. Seismol.* 18, 81–91 (2014) DOI:10.1007/s10950-013-9402-3

CONFERENCES/WORKSHOPS/etc.

- Convener at the 36th General Assembly of the European Seismological Commission, Physics of Earthquakes and Seismic Sources session, 2018, Malta
- Convener at the 35th General Assembly of the European Seismological Commission, Seismic Sources session, 2016, Italy
- Convener at the Second European Conference on Earthquake Engineering and Seismology, Seismic Sources session, 2014, Turkey
- Member of the organizing committee of the 12th International Congress of the Greek Geological Society, 2010, Patras, Greece
- Workshop, ISOLA code use, 2018, Cuba, invited speaker.
- Workshop, ISOLA code use, 2016, Costa Rica, invited speaker.
- Workshop, ISOLA code use, 2014, Turkey, invited speaker.
- Workshop, ISOLA code use, 2013, Colombia, invited speaker.
- Workshop, ISOLA code use, 2013, Brasil, invited speaker.
- Workshop, ISOLA code use, 2011, Costa Rica, invited speaker.

Participated in more than 20 Greek and International congresses with abstract and/or poster presentation

MEMBERSHIPS & REVIEWING ACTIVITIES

- 2014 - 2020** Member of the 1st permanent Seismotectonic Committee of the Organization for Earthquake Planning and Protection (OASP)
- 2015 - 2020** Member of IASPEI working group, Commission on Seismological Observation and Interpretation: Automatic and routine Moment tensors: benchmark and verification platform, 2015
- 2018 - 2020** Member of EMSC Executive Council
- 2018 – 2020** Member of the Committee of Experts, Greek Committee of Large Dams.

Reviewer in 12 international journals in the field of Seismology, Engineering Seismology and Geophysics

TEACHING ACTIVITIES

- 2005 -2019** Teaching staff – Seismology, Geology Department, University of Patras, Greece
- 2005 -2019** Teaching staff – Engineering Seismology, Geology Department, University of Patras, Greece
- 2014- 2019** Teaching staff – Geophysics, Geology/Physics Department, University of Patras, Greece
- 2014- 2019** Teaching staff – Engineering Geophysics, Geology Department, University of Patras, Greece
- 2019 - 2020** Teaching staff – Geological Data Analysis with Matlab, Geology Department, University of Patras, Greece
- 2006 -2018** Teaching staff – Introduction in Computer use in Geology II , Geology Department, University of Patras, Greece
- 2005 2019** Teaching staff – Advanced Seismology Subjects (MSc Course), Geology Department, University of Patras, Greece

2014 2019 Teaching staff – Applied Geophysics (MSc Course), Geology Department, University of Patras, Greece

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2005 - 2019 2 Postdocs/6 PhD (3 finished)/17 Master Students
Geology Department, University of Patras, Greece

RESEARCH GRANTS

Project Title	Funding source	Period	Role of the PI
Improving location of earthquakes in Corinth Gulf	GSRT	2004-2005	Researcher
Earthquakes tsunamis and landslides in the Corinth rift, Greece	6TH Framework Programme/ Strep	2004-2006	Researcher
Development of automatic processing techniques for seismological data	Karatheodori, University of Patras	2009 - 2012	Scientific Coordinator
Strategies and tools for Real Time EARTHquake RiSk ReducTion "REAKT"	FP7-ENV-2011	2011 - 2014	Scientific Coordinator for University of Patras
HELPOS	GSRT, EPANEK	2017 - 2020	Scientific Coordinator for University of Patras
Monitoring and data processing for the Mornos and Evinos Dams	DEYAP	2017 - 2021	Scientific Coordinator for University of Patras
Seabed fluid flow and their implications to earthquakes and global climate (BLUEL)	HFRI	2020-2023	Researcher