Curriculum Vitae – RNDr. Dana Křížová, Ph.D.

Personal information

Name:	Dana Křížová
Birth name:	Červinková
Address:	Mírová
	289 22 Lysá nad Labem – Litol
E-mail:	krizova@irsm.cas.cz
Date of birth:	August 1984 (in Městec Králové)
Nationality:	Czech

Employment

Since 1. 1. 2018	Institute of Rock Structure and Mechanics of the Czech Academy of Sciences – Department of Seismotectonics – Postdoc

Education

2008 – 2017	Ph.D. – Department of Geophysics, Faculty of Mathematics and Physics, Charles University; Title: The source proces of Greek earthquakes (Ph.D. defense September 13, 2017)
2010/2011	RNDr. – Department of Geophysics, Faculty of Mathematics and Physics, Charles University; Title: Moment-tensor inversion of earthquakes in Greece, method ISOLA
2006 – 2008	Mgr. – Department of Geophysics, Faculty of Mathematics and Physics, Charles University; Title: Moment-tensor inversion of earthquakes in Greece, method ISOLA
2003 – 2006	Bc. – Department of Geophysics, Faculty of Mathematics and Physics, Charles University; Title: Study of Greek earthquakes source processes
Language:	Czech, English, Slovak

Previous employment

2009 – 2017	3x parental leave (without previous employment)

Research activities including grants

Since 2021	WEBNET – in cooperation with Institute of Geophysics of the Czech Academy of Sciences
2019 – 2021	Work on the project: GAČR reg. č. 18-05053S – Fyzikální procesy spojené s rojovou seismicitou na rozhraní tektonických desek

2018	Work on the project: Modernizace výzkumné infrastruktury RINGEN – OP VVV Výzkumné infrastruktury č. CZ.02.1.01/0.0/0.0/16_013/0001792
2009 – 2011	Grant project: GAUK n. 14509: Ohniskový proces řeckých zemětřesení

Foreign stays – gained professional experience

September 2009	Thessaloniki (Greece) study stay: Aristotle University of Thessaloniki – Department of Geophysics; Institute of Engineering Seismology and Earthquake Engineering (ITSAK) cooperation with prof A. Kiratzi, work with the computer program TDMT-INVC for inverse problems (data processing from the Santorini area)

Publications

- Křížová, D., J. Zahradník, and A. Kiratzi (2016). Possible Indicator of a Strong Isotropic Earthquake Component: Example of Two Shallow Earthquakes in Greece, *Bull. Seismol. Soc. Am.* **106,** no. 6, 2784 - 2795, doi: 10.1785/0120160086.
  1 citation (till January 2021); Impact factor – 2.343 (2017), 2.603 (5 years)
- Křížová, D., J. Zahradník, and A. Kiratzi (2013). Resolvability of Isotropic Component in Regional Seismic Moment Tensor, Inversion, *Bull. Seismol. Soc. Am.* **103,** no. 4, 2460 - 2473, doi: 10.1785/0120120097.
  22 citations (till January 2021); Impact factor – 2.343 (2017), 2.603 (5 years)
- Gallovič, F., J. Zahradník, D. Křížová, V. Plicka, E. Sokos, A. Serpetsidaki, and G-A. Tselentis (2009). From earthquake centroid to spatial-temporal rupture evolution: Mw 6.3 Movri Mountain earthquake, June 8, 2008, Greece, *Geophys. Res. Let.* **36,** L21310, doi: 10.1029/2009GL040283.
  23 citations (till January 2021); Impact factor – 4.339 (2017), 4.692 (5 years)

Conference and presentations

2019	Františkovy Lázně (Czech Republic) Vulkanologische und seismologische Geschichte Westböhmens und des Vogtlands
2017	Františkovy Lázně, Skalná (Czech Republic) 3. Geofyzikální a vulkanologické setkání
2015	Praha (Czech Republic) 26th IUGG General Assembly
2011	San Francisco (California, USA) AGU Fall Meeting 2011
2010	Montpellier (France) European Seismological Commission 32nd General Assembly
2009	Živohošť (Czech Republic) Česko-slovenské seismologické dny
2009	Vienna (Austria) European Geosciences Union, General Assembly 2009
2008	Hersonissos (Greece) European Seismological Commission ESC 2008, 31st General Assembly
2008	Utrecht (Netherlands) First ORFEUS workshop on "Waveform Inversion"

2007	Františkovy Lázně (Czech Republic) Osmá západočeská konference „Geodynamika oblastí zemětřesných rojů“

Interests

broadband seismology, moment tensors, full waveform inversion, source processes of shallow depths earthquakes, earthquake swarms, Fortran, WEBNET (REYKJANET, Czech Regional Seismic Network)