

# Curriculum Vitae

## Personal Specifications:

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## Educational Background:



B. Sc. Degree in Mining Engineering- Exploration, November 2009, University of Science & Technology, I.R. Iran (Thesis: New achievements in earth science and proving them in the Qur'an, Supervisor: Prof. Ghadimi Arusmahaleh (score: 19.75 out of 20)).



M. Sc. Degree in Geophysics (Earthquake Seismology), February 2013, University of Tehran, I.R. Iran (Thesis: Parameter estimation of causative fault of Toroud earthquake (27/8/2010) using Empirical Green's Function and Finite fault modeling methods in Semnan province, Iran, Supervisor: Prof. Gheitanchi and Prof. Hamzeloo (score: 19.5 out of 20)).



Ph. D. Degree in Geophysics (Earthquake Seismology), February 2020, University of Tehran, I.R. Iran, (Thesis: Earth surface deformation analysis of the Bam, Rigan, Zarand, Qeshm and Kermanshah regions derived from joint inversion of interferometric synthetic aperture radar and strong ground motion data, Supervisor: Prof. Rezapour (Score: Excellent)).

## Papers:

- Golshadi, Zeinab, Nicola Angelo Famiglietti, Riccardo Caputo, Saeed SoltaniMoghadam, Sadra Karimzadeh, Antonino Memmolo, Luigi Falco, and Annamaria Vicari. 2023. "Contemporaneous Thick- and Thin-Skinned Seismotectonics in the External Zagros: The Case of the 2021 Fin Doublet, Iran" *Remote Sensing* 15, no. 12: 2981. <https://doi.org/10.3390/rs15122981>
- Nicola A. Famiglietti, Golshadi, Zeinab, Filippos, Vallianatos, Riccardo, Caputo, Maria Kouli, Vassilis Sakkas, Simone Atzori, Raffaele Moschillo, Gianpaolo Cecere, Ciriaco D'Ambrosio and Annamaria Vicari. 2022. " The 2021 Greece Central Crete ML 5.8 earthquake: an example of coalescent fault segments reconstructed from InSAR and GNSS data ", *Remote sensing*, 2022, 14, 5783. <https://doi.org/10.3390/rs14225783>.
- Golshadi, Zeinab, Nicola A. Famiglietti, Simone Atzori, and Annamaria Vicari. 2022. "Surface Displacement and Source Parameters of the 2021 Bandar-e Genaveh, Iran, Earthquake Determined from InSAR Observations" *Applied Sciences* 12, no. 9: 4223. <https://doi.org/10.3390/app12094223>.

- Golshadi, Z., Ebrahimi, Ala. (August 21-27, 2021) A new approach via drone magnetometry for chromite exploration, a case study in Oman. Joint Scientific Assembly IAGA – IASPEI 2021, Hyderabad, India.
- Golshadi, Z., Rezapour, M., Atzori, S. and Salvi S. Multiple source analysis from InSAR data and new insights into fault activation: The 2005 Zarand, Iran, earthquake. Terra Nova, <http://dx.doi.org/10.1111/ter.12513>.
- Golshadi, Z., Pakdaman, M.S. and Roustaei M. (It was submitted 2021). Surface displacement and source parameters of the 2017 Ezgaleh (Iran) earthquake determined from InSAR Observations, Strong Ground Motion and Seismic Waveform data, GJI.
- Golshadi, Z., Pakdaman, M.S., Rezapour M. (2020). Joint Inversion Approach to Estimate Earthquake Source Parameters using InSAR observations and Strong Ground Motion data (2008 Qeshm earthquake in Iran). Bollettino di Geofisica Teorica e Applicata, 60, <https://doi.org/10.4430/bgta0314>.
- Pakdaman M.S., Golshadi, Z., Rezapour, M. (2018), Effect of satellite orientation on optimal identification of fault parameters by the 2004 zarand earthquake, based on radar interferometry method, Journal of spatial planning, 100, pp. 23-46.
- Golshadi, Z., Rezapour, M., Amighpey, M. (2019), Investigation of Bam 2003 causative fault using Joint inversion of InSAR and Strong ground motion data, JRAG, DOI: 10.22044/JRAG.2019.7913.1227.
- Golshadi, Z., Karbalaeei, A., Kafaeei, K. (2016), Interpretation of magnetic data in the Chenar-e Olya area of Asadabad, Hamedan, Iran, using Analytic Signal, Euler Deconvolution, Horizontal Gradient and Tilt-depth methods, Bollettino di Geofisica Teorica ed Applicata, DOI:10.4430/bgta0182, Vol. 57, n. 4, pp. 329-342.
- Golshadi, Z., Soltani, M., Eyvazkhani, S., Khushabi, S. (2012), Utilization of Aster sensor data and SE method in discrimination of alteration and Porphyritic Copper intrusions in Ali Abad area, Yazd, Istanbul International Geophysical Conference and Oil & Gas Exhibition, Istanbul, Turkey, 17-19 September 2012.
- Golshadi, Z., Gheitanchi, M., Moeini, N. (2012), Estimation of quality factor in Torud province of Iran, The 9<sup>th</sup> general assembly of the ASC2012
- Golshadi, Z., Moeini, N. (2012), Estimation of quality factor in Semnan province of Iran, The 31<sup>th</sup> general assembly of earth science, December 2012
- Golshadi, Z., Gheitanchi, M. (2012), Seismicity of Semnan, Iran, revealed from local seismic network, the 9<sup>th</sup> general assembly of the ASC2012.
- Golshadi, Z., Gheitanchi, M. (2012), Probabilistic hazard assessment in Toroud region of Semnan, The 9<sup>th</sup> general assembly of the ASC2012.
- Moeini, N., Golshadi, Z., Gheitanchi, M. (2012), Probabilistic hazared assessment in Lorestan province of Iran, The 9<sup>th</sup> general assembly of the ASC2012.
- Golshadi, Z., Hamzeloo, H., Gheitanchi, M. (2014), Parameter estimation of causative fault of toroud earthquake (27/8/2010) using Empirical Green's Function and Finite fault modeling methods in Semnan province, Iran, The 10<sup>th</sup> general assembly of the ASC2014.
- Golshadi, Zeinab, Nicola A. Famiglietti, The 2022 Bandar-e Khamir doublet earthquakes, Parameters and liquefaction, Under publication by the journal *Remote Sens*.

- Golshadi, Zeinab, Sadra Karimzadeh, Nicola Angelo Famiglietti, The Turkey earthquake, trend and parameters, Under publication by the journal *Remote Sens.*

***Research Interests:***

- Mineral exploration (Magnetic, IP, Geoelectric, GPR, Seismic and other geophysical methods)
- Radar interferometry and modelling InSAR observations.
- Physical mechanisms of earthquakes and faulting interaction processes
- Seismic interpretation
- Seismic Inversion and modelling
- Joint inversion of geophysical data
- Acceleration data inversion
- Remote sensing for mining exploration
- Application of Geophysical Data in mining exploration (exploration geophysics)