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Faculty of Sciences and Modern Technologies
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Education

- International Institute for Earthquake Engineering and Seismology, Tehran, Iran March. 2011
Ph.D. Geophysics, Earthquake Seismology (Research Assistant)
Thesis Title: “The continental crustal structure of the Iranian plateau from analysis of receiver function and surface waves dispersion”

- The University of Tehran, Tehran, Iran Sep. 2003
M.Sc. Geophysics, Seismology,
M.Sc. Thesis Title: “Estimation of porosity and permeability in Nar gas field using well logs”

- The University of Tehran, Tehran, Iran June. 1999
B.Sc. Applied Physics

Research interests:

- Studying crustal and upper mantle structures using seismic tomography methods
- Joint inversion of receiver function and surface wave dispersion data to study crustal and upper mantle structure
- probabilistic seismic hazard analysis
- Calculation of attenuation relations

Research Project:

- Crustal thickness variations in the Zagros seismotectonic zone, **Nasrabadi, A.**, Sepahvand, M.R., Graduate University of Advanced Technology, Kerman, Iran, 2014.
- Determination of crustal model beneath the broadband seismic stations of Iranian National Seismic Network using P receiver function, Tatar, M., **Nasrabadi, A.**, International Institute for Earthquake Engineering and Seismology (IIEES), Tehran, Iran, 2010.
- Seismic hazard assessment and seismic hazard zoning of Ilam province using deterministic and probabilistic methods, Sepahvand, M.R., **Nasrabadi, A.**, Islamic Azad university, Ilam, Iran, 2007.

Thesis (supervisor) in Graduate University of Advanced Technology, Kerman, Iran

- Three Dimensional Structure of the silakhur Region using Local Earthquake Tomography, Amini, M., Nasrabadi, A., Sepahvand, M. R., 2017.
- Estimation of peak ground acceleration for Kerman province, Kharazmi, Sh., Nasrabadi, A., Mousavi Bafrouei, S. H., Sepahvand, M. R., , 2017.

- Seismic hazard zoning of Fars province using deterministic and probabilistic method, Ashjanas, P., **Nasrabadi, A.**, Sepahvand, M. R., Mousavi Bafrouei, S. H., 2016.
- Deterministic and probabilistic seismic hazard analysis for Sistan and Baluchestan province Fatehi, N., **Nasrabadi, A.**, Mousavi Bafrouei, S. H., Sepahvand, M. R., , 2016.
- Moho depth variations and Vp/Vs ratio in the Central and Eastern Iran using Zhu and Kanamori method, Dadju, Z., **Nasrabadi, A.**, Sepahvand, M. R., 2016.
- Crustal velocity structure and Moho discontinuity depth in Central Iran, Azimi Raviz, F., **Nasrabadi, A.**, Sepahvand, M. R., 2015.
- Crustal velocity structure in the North East of method of teleseismic receiver functions, Limuchi, Z., **Nasrabadi, A.**, Sepahvand, M. R., 2015.
- Crustal Structure in South and Southeast of Iran using Receiver Functions, Azizi, M., **Nasrabadi, A.**, Sepahvand, M. R., 2015.
- A Study of Lateral Variations of Velocity Structure in the Eastern Alborz Using Local Seismic Tomography, Razazi, Z., **Nasrabadi, A.**, Sepahvand, M. R., 2015.
- Investigation of Velocity Structure of Crust beneath of Tehran Seismic Network Stations by Joint Inversion of Receiver Functions and Rayleigh Waves Group and Phase Velocity Dispersion, Mouchan, M., Rahimi, H., **Nasrabadi, A.**, Sepahvand, M. R., 2014.
- Investigation of Velocity Structure of Crust beneath of Kerman Seismic Network Stations by Joint Inversion of Receiver Functions and Rayleigh Waves Group Velocity Dispersion, Nooritabar, M., **Nasrabadi, A.**, Sepahvand, M. R., 2014.

Technical Skills

- Proficiency in using operating systems:* Windows XP/ 7, Linux, Dos.
- Familiar in programming languages:* Matlab, familiar in scripting in Linux shells (especially bash shell).
- Familiar in using softwares:* surfer , GMT (Generic Mapping Tools), SAC (seismic Analysis Code), Seisan (Earthquake Analysis Software), Zmap (Software Package to Analyze Seismicity)

Teaching Experience

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| Graduate University of Advanced Technology, Kerman, Iran | 2012- present |
| <ul style="list-style-type: none"> <input type="checkbox"/> General Geology <input type="checkbox"/> Advanced Mathematics in Geophysics <input type="checkbox"/> Theory of Elastic Wave Propagation <input type="checkbox"/> Earthquake Seismology 2 | |
| Lorestan University, KhoramAbad, Iran | 2011-2012 |
| <ul style="list-style-type: none"> <input type="checkbox"/> Geology <input type="checkbox"/> Gheophysics <input type="checkbox"/> Geomagnetism 1 | |
| Islamic Azad university, Ilam, Iran | 2003-2005 |
| <ul style="list-style-type: none"> <input type="checkbox"/> Physics 1,2,3,4 | |

Publications and Presentations

Journal Publications

- **Nasrabadi, A.**, Sepahvand, M.R., Limochi, Z., 2017, Determination of seismic discontinuities beneath Northeast of Iran, Journal of Research on Applied Geophysics, 10.22044/JRAG.2017.6138.1151, (in persian).
- Fatehi, N., **Nasrabadi, A.**, Mousavi Bafrouei, H., Sepahvand, M.R., 2017, Seismic hazard zoning of Sistan and Baluchestan province using deterministic and modified probabilistic methods, Journal of Research on Applied Geophysics, 10.22044/JRAG.2017.962, (in persian).
- Azizi, M., **Nasrabadi, A.**, Sepahvand, M.R., 2017, Crustal structure beneath the south and southeast Iran using receiver function and Rayleigh waves group velocity dispersion, Iranian Journal of Geophysics, 11, 156-175, (in persian).
- Mochan, M., **Nasrabadi, A.**, Rahimi, H., Sepahvand, M.R. 2017, Crustal velocity structure in Northwest border of the Central Iran, Journal of Research on Applied Geophysics, 2, 89-102, 10.22044/jrag.2016.737, (in persian).
- Nooritabar, M., **Nasrabadi, A.**, Sepahvand, M.R., 2016, Crustal velocity structure of Kerman Region from joint inversion of receiver functions and Rayleigh waves group velocity dispersion, 2016, The Journal of the Earth and Space Physics, 42, 37-50, (in persian).
- Tatar, M. R., and **Nasrabadi, A.**, 2013, Crustal thickness variations in the Zagros continental collision zone (Iran) from joint inversion of receiver functions and surface wave dispersion, Journal of Seismology, 17, 1321-1337.
- **Nasrabadi, A.**, Tatar, M., Kaviani, A., 2012, Crustal structure of Iran from joint inversion of receiver function and phase velocity dispersion of Rayleigh waves, GEOSCIENCES 21 (82), 83-94 (in persian).
- Abbassi, A., **Nasrabadi, A.**, Tatar, M., Yaminifard, F., Abbassi, M. R., 2010. Hatzfeld, D., Priestley, K., Crustal Velocity Structure in the southern edge of the Central Alborz (Iran). Journal of Geodynamics, 49, 68-78.
- Sepahvand, M.R., **Nasrabadi, A.**, Eskandari, M., Taheri, L., 2008, Seismic hazard assessment and seismic hazard zoning of Ilam province using deterministic and probabilistic methods, Journal of The Earth 3 (3), 71-80.

International Conference Papers

- **Nasrabadi, A.**, Sepahvand, M. R., Eskandari, M., “Earthquake regionalization of Ilam in Western Iran”, October 8-9, 2007, BAKU, Azarbaijan.
- **Nasrabadi, A.**, Tatar, M., Priestley, K., Rham, D., “The crustal structure beneath the Iranian plateau from joint inversion of receiver functions and surface wave dispersion”, July 2-13, IUGG 2007, Italy, Perugia
- **Nasrabadi, A.**, Sepahvand, M. R., Eskandari, M., “Seismic hazard Assessment of the Ilam region in Western Iran” IUGG 2007, Italy, Perugia
- **Nasrabadi, A.**, Tatar, M., Priestley, K., Rham, D., M. R. Sepahvand, “Continental lithospher structure beneath the Iranian plateau rom analysis of receiver functions and surface waves dispersion”, The 14th World Conference on Earthquake Engineering October 12-17, 2008, Beijing, China

National Conference Papers

- Nooritabar, M., **Nasrabadi, A.**, Sepahvand, M.R., 2014, Determination of Crustal Structure of Kerman Region from Inversion of Receiver Functions and Rayleigh Waves Dispersion, 16th Geophysics Conference of Iran, May 13-15, 2014, Tehran, Iran.
- Probabilistic seismic hazard estimation in Rafsanjan city by using of EZ-FRISK software, , 16th Geophysics Conference of Iran, May 13-15, 2014, Tehran, Iran.
- Shamsi, M., Sepahvand, M.R., **Nasrabadi, A.**, Shahpasandzade, M., Safizade, M., 2014, Probabilistic seismic hazard estimation in Rafsanjan city by using of EZ-FRISK software, 16th Geophysics Conference of Iran, May 13-15, 2014, Tehran, Iran.
- Razazi, Zahra, Sepahvand, M.R., **Nasrabadi, A.**, ,A Study of Lateral Variations of Velocity Structure in the Eastern Alborz Using Local Seismic Tomography, 33rd National Geosciences symposium, Feb 21-22, 2015, Tehran, Iran.
- Mochan, M., **Nasrabadi, A.**, Rahimi, H., Determination of Moho Depth in southern edge of the Central Alborz (Iran) by inversion of receiver functions and surface wave dispersion, 2ND international conference on Geotechnical and Urban Earthquake Engineering (ICGUEE 2015), Sep 7-9, 2015, Tabriz, Iran.
- Azimi, F., **Nasrabadi, A.**, Sepahvand, M.R., Determine the Moho depth at the center and East of Iran with inversion of receiver function and dispersion of surface waves, The 34th National and the 2nd International Geosciences Congress, Feb 22-24, 2016, Tehran, Iran.
- Limochi, Z., **Nasrabadi, A.**, Sepahvand, M.R., Investigation of Velocity Structure of Crust beneath of northeastern Iran by joint Inversion of Receiver Functions and Weves Surface Dispersion, The 34th National and the 2nd International Geosciences Congress, Feb 22-24, 2016, Tehran, Iran.
- Azimi, F., **Nasrabadi, A.**, Sepahvand, M.R., Thickness crust Tabas with inversion receiver function Rayleigh waves dispersion, 17th Iranian Geophysical Conference, May 10-12, 2016, Tehran, Iran.
- Azizi, M., **Nasrabadi, A.**, Sepahvand, M.R., Crustal velocity structure Beneath South of Iran Hormozgan region, 17th Iranian Geophysical Conference, May 10-12, 2016, Tehran, Iran.
- Ashjanas, S., **Nasrabadi, A.**, **Heybati, Z.**, determine attenuation acceleration- distance for Sabzpooshan fault in Fars province, The 9th National Conference on Engineering Geology and the Environment, Sep 27-28, 2016, Tehran, Iran.
- Ashjanas, S., **Nasrabadi, A.**, Sepahvand, M.R., Mousavi Bafroei, H., Seismic hazard analysis of Fars province by deterministic method, Symposium on Earthquake Geotechnical Experiences and challenges, Dec 21-22, 2016, Mashad, Iran.
- Dadjo, Z., **Nasrabadi, A.**, Sepahvand, M.R., Moho depth variations and Vp/Vs ratio in Kerman using Zhu and Kanamori method ,Symposium on Earthquak Geotechnics Eperiences and challenges, Dec 21-22, 2016, Mashad, Iran.
- Jahanpoor, F., Sepahvand, M.R., **Nasrabadi, A.**, Assessment of fundamental Frequency in some bridges of Kerman using microtremors, 4National Conference on Development of Civil Engineering, Architecture, Electricity and Mechanical in Iran, Dec. 22, Gorgan, Iran.

- Mohammadi Ghanateghestani, A., Sepahvand, M.R., **Nasrabadi, A.**, shear wave velocity estimation by inversion of ellipsoid Rayleigh waves, 2National Conference on New Technologies and Technologies of Iran, Dec. 26, 2016, Tehran, Iran.
- Mohammadi Ghanateghestani, A., Sepahvand, M.R., **Nasrabadi, A.**, Rayleigh wave ellipticity estimation by using RayDec in Kerman, 2National Conference on New Technologies and Technologies of Iran, Dec. 26, 2016, Tehran, Iran.
- Fatehi, N., **Nasrabadi, A.**, Mousavi Bafrouei, H., Sepahvand, M.R., Hazard assessment and seismic zoning of Sistan and Baluchestan province from probabilistic method, World Contemporary Civil Engineering Architecture and Urban Development, march. 6-7, 2017, Dubai.
- Amini, N., Sepahvand, M.R., YaminiFard, F., **Nasrabadi, A.**, Seismic tomography, one of the 9th confederate on recent research in science and technology, June. 14, 2017, Tehran, Iran.