

## CURRICULUMVITAE



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### Educational records

- PhD in Tectonics, TMU University, Tehran, Iran (2015- 2020)
- M.S in Structural Geology and Tectonics, TMU University, Tehran , Iran (2008-2011)
- B.S in Geology, Tehran university, Tehran , Iran(2003-2007)
- Diploma in Natural Sciences(1999-2003)

### Qualifications and Experience

- 5 years teaching geology (Structural geology, Tectonics, Seismotectonics, remote sensing and physical geology) in PNU University, Qom.
- Conducting a low-temperature thermochronometric laboratory method for 6 months as a visiting student at the University of Calgary, Canada
- Expert at Physical geology, Seismotectonics, Tectonics, Remote measurement, Structural geology and GIS.
- Very good familiarity with the following software's:
- GIS (Geographic Information System)
- Office software suit
- Corel draw (Graphic design)
- Photoshop (Photo and image editing software)
- Geological software's ( Sterionet, Sterio, Dasy, Dips, Global mapper, Google Earth, Sas Planet)
- Full fluency in English, 15 academic semesters studying English

- Expert at Heavy Mineral Separation Method with heavy liquid and magnetic method.
- Expert at Oligo-Miocene sedimentary basins in central Iran and their relationship with structures and faults.
- Experienced in Field (Geological Travels) guidance for students and geological groups
- Full expert at brittle fault zones spatially strike slip fault zones and their dependent structures
- First information reporter from Kushk-e-Nosrat fault zone as a suspected source of earthquakes in the Iranian Plateau.

## **Publications:**

- **Khodaparast, S.**, Madanipour, S., Enkelmann, E., Nozaem, R., Hessami, K., Submitted. Fault inversion in central Iran: evidence of post Pliocene intracontinental left lateral kinematics at the northern Iranian Plateau margin, 2020a. *Journal of Geodynamics* 140 101784. DOI: <https://doi.org/10.1016/j.jog.2020.101784>.
- **Khodaparast, S.**, Madanipour, S., Nozaem, R., Hessami, K., 2020b. Structural evidence on strike slip Kinematic inversion of the Kushk-e-Nosrat Fault zone, Central Iran, *Geopersia*. Doi: 10.22059/GEOPE.2020.291450.648508.
- Nouri, F., Azizi, H., Stern, R.J., Asahara, Y., **Khodaparast, S.**, Madanipour, S., Yamamoto, K., 2018. Zircon U-Pb dating, geochemistry and evolution of the Late Eocene Saveh Magmatic complex, central Iran: Partial melts of sub-continental lithospheric mantle and magmatic differentiation. *Lithos* 314, 274–292. doi.org/10.1016/j.lithos.2018.06.013.
- **Khodaparast, S.**, Mohajjel, M., Haj Amini, S., 2012. Structural analysis and Qom Fm. thickness change influence on the geometry of structures (Dokhan area, west Saveh). *Journal of Geoscience*. No. 93. P 235-244.
- **Khodaparast, S.**, Madanipour, S., Enkelmann, E., Hessami, K., & Nozaem, R. (2024). Time constraints on the late Cenozoic fault evolution along the northern margin of the Iranian Plateau in the Arabia- Eurasia collision zone. *Tectonics*, 43, e2023TC008034. <https://doi.org/10.1029/2023TC008034>.
- Madanipour, S., Najafi, M., Nozaem, R., Verges, J., Yassaghi, A., **Khodaparast, S.**, Heidari., Soudmand, Z. The Arabia–Eurasia collision zone in Iran: Tecto-nostratigraphic and structural synthesis. *Journal of Petroleum Geology*, 27(2), 123–171. <https://doi.org/10.1111/jpg.12854>.

## **Abstracts and Proceedings (International):**

- **Khodaparast, S.,** Madanipour, S., Enkelmann, E., Nozaem, R., Hessami, K., Matthews, W., 2019. Low-temperature thermochronology and structural constraints on Cenozoic fault kinematic inversion in Northern Iranian Plateau margin, case of the Kushk-e-Nosrat Fault, central Iran. Iran. 3rd Trigger international conference, Institute for advanced studies in Basic Sciences, Gava Zang, Zanjan.
- **Khodaparast, S.,** Madanipour, S., Hessami, Kh., Nozaem, R., Babaahmadi A., 2024. Geomorphological and structural evidence of the youngest change in the Kushk-e-Nosrat fault mechanism on the northern Iranian plateau margin. 9th International Conference on Seismology and Earthquake Engineering (SEE9), May 7 to 9, 2024, in Tehran, Iran.

#### **Abstracts and Proceedings (National):**

- **Khodaparast, S.,** Madanipour, S., Hessami, K., Babaahmadi, A., 2023. Investigation of geomorphological evidence of active faulting in Qom-Saveh area. The 5th National Conference of Quaternary Association of Iran, Tehran.