

Curriculum Vitae

Personal Information

Iman Monsef
Assistant Professor of Petrology and Geochemistry
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Research interest

Geochemistry and distribution of strategic elements in deep earth and environment
Petrology and geodynamic of Tethyan orogeny

Academic Educations

1. B.Sc. Geology (1998-2002). Shiraz University, Faculty of Sciences, Department of Earth Science, Shiraz, Iran.
2. M.S. Petrology and Geochemistry (2002-2005). Shahid Beheshti University, Faculty of Earth Sciences, Tehran, Iran.
3. Ph.D. Petrology and Geochemistry (2005-2011). Shahid Beheshti University, Faculty of Earth Sciences, Tehran, Iran.

Honors

1. Ranked 1st M.S., (2005).
2. Ranked 1st Ph.D., (2011).

Awards

1. Hutchinson Young Scientist Award, (2004). International Union of Geological Sciences (IUGS). Florence, Italy.
2. Goldschmidt Award, (2005). Environmental impacts of ophiolitic alteration products as natural and anthropogenic contamination sources: an example of Iranian ophiolitic massifs. Idaho, USA.
3. Goldschmidt Award, (2008). Simultaneous back-arc spreading and arc magmatism since upper Triassic in Iranian continental block. Vancouver, Canada.

Members

1. European Association of Geoscientists & Engineers (EAGE) - (2004 - present).

2. European Association of Geochemistry (2007- present)

Teaching Courses

1. Igneous and metamorphic petrology
2. Geochemistry
3. Mineralogy
4. Magmatism and geodynamic of Iran
5. Magmatism and plate tectonic
6. General geology
7. GIS and RS

Publications

1. Monsef, I., Monsef, R., Mata, J., Zhang, Z., Pirouz, M., Rezaeian, M., Esmaeili, R., and Xiao, W. (2018). Evidence for an early-MORB to fore-arc evolution within the Zagros suture zone: Constraints from zircon U-Pb geochronology and geochemistry of the Neyriz ophiolite (South Iran). *Gondwana Research*, doi.org/10.1016/j.gr.2018.03.002.
2. M., Saatsaz, I., Monsef, M., Rahmani, A., Ghods (2018). Site suitability evaluation of an old operating landfill using AHP and GIS techniques and integrated hydrogeological and geophysical surveys. *Environmental monitoring and assessment* 190 (3), 144.
3. Farzaneh khademian, Iman Monsef and Mohammad Rahgoshay, (2018). Petrogenesis and geochemistry of the Eocene volcanic sequence in the northeast of Zanjan: Implications for active continental margin magmatism in the Alborz- Azarbaijan Zone. *Petrology (In Persian)*, 9 (1), 191-206.
4. Monsef, R., Monsef, I. and Rahgoshay, M. (2014). Geodynamic significance of the Janatabad peridotites and associated chromitites (S Iran): implications for subduction initiation, *Ofioliti*, 39 (2), 67-78.
5. Davodi, Z., Rahgoshay, M. and Monsef, I. (2014). Geochemistry and petrogenesis of Neyriz ophiolitic complex (southwest of Iran). *Petrology (In Persian)*, 5 (19).
6. Monsef, I., Rahgoshay, M. and Whitechurch, H. (2011). Petrogenetic variations of the Jurassic magmatic sequences of Hoseinabad-Hajiabad regions in Sanandaj-Sirjan Zone (south of Iran). *Petrology (In Persian)*, (4) 89-111.
7. Monsef, I., Rahgoshay M. and Emami, M.H. (2011). Geochemistry and petrogenesis of the Orzuieh volcanic sequence (south of Iran). *Geosciences (In Persian)*, 21 (82), 65-76.
8. Monsef, I., Rahgoshay, M., Mohajel, M. and Shafaii Moghadam (2010). Peridotites from the Khoy ophiolitic complex, NW Iran: Evidence of mantle dynamic in a supra-subduction-zone context. *Journal of Asian Earth Sciences*, 38, 105-120.
9. Zakariaee, J. and Monsef, I. (2010). Mineralogy-Petrofabric of Ghorveh Metamorphic Complex (NW of Iran). *Journal of Sciences (In Persian)*, 20 (77), 203-220.
10. Shafaii moghadam, H., Whitechurch, H., Rahgoshay M. and Monsef, I. (2009). Significance of Nain-Baft ophiolitic belt (Iran): Short- lived, transtensional Cretaceous back- arc oceanic basin over the Tethyan subduction zone. *C.R Geoscience*, 341, 12, 1016-1028.

11. Shafaei, Moghadam H., Rahgoshay, M., Whitechurch, H., Monsef, I. and Soltan, Mohammadi A. (2009). Geochemistry and Eruptive Environment of the Mafic Rock Series in the Balvard-Baft ophiolites. *Geosciences (In Persian)* 18 (72), 155-160.
12. Rahgoshay, M., Monsef, I., Shafaii Moghadam, H. and Mohajel, M (2008). Microstructural evolution of mantle lithosphere in Khoy meta-ophiolites, NW of Iran. *Geosciences (In Persian)* 16 (63), 2-17.
13. Rahgoshay, M., Shafaii Moghadam H. and Monsef, I., 2006. Petrology, Petrofabric and Various Types of Metamorphism in Nain Ophiolitic Massif (Central Iran). *Journal of Science (University of Tehran)*, (In Persian), 32 (21), 37-56.
14. Rahgoshay, M., Monsef, I. and Shafaei Moghadam H., 2005. Plastic deformation of quartz in quartzite and quartz veins of Khoy ophiolitic massif, NW of Iran. *Iranian Journal of Crystallography and Mineralogy (In Persian)*, 13 (1), 201-212.

Conferences

1. Rahgoshay, M., Monsef, I. and Shafaii Moghadam, H., (2004). Plastically deformed minerals in Khoy ophiolitic lherzolites, NW of Iran. 32nd IGC, International Geological Congress, Florence Italy. Abstracts volume, 94.
2. Rahgoshay, M., Monsef, I. and Shafaii Moghadam, H., (2004). Deformation behavior of meta-quartzites in Khoy ophiolitic massif, north western of Iran. 32nd IGC, International Geological Congress, Florence Italy. Abstracts volume, 310.
3. Rahgoshay, M. Shafaii Moghadam, H. and Monsef, I., (2005). Petrofabric and geochemical properties of Khoy ophiolitic peridotites, northwestern of Iran. Proceeding of the 12th Conference of Crystallography and Mineralogy of Iran, 761-766.
4. Rahgoshay, M., Shafaii Moghadam, H. and Monsef, I., (2005). Environmental impacts of ophiolitic alteration products as natural and anthropogenic contamination sources: an example of Iranian ophiolitic massifs. Gold Schmidt Conference 2005, *Geochemica et cosmochemica acta*, 69, 10, 423.
5. Monsef, I., Rahgoshay, M., Mohajjel, M. and Shafaii Moghadam, H., (2006). Microstructure and geochemistry of the oceanic mantle lithosphere in Khoy ophiolites, NW of Iran. *European Geosciences Union 2006. Geophysical Research*, Vol. 8, 5291.
6. Rahgoshay, M., Shafaii Moghadam, H., Monsef, I., Foruzesh, V., (2006). Petrology of podiform chromites in Sabzevar ophiolites, NE of Iran. *European Geosciences Union 2006. Geophysical Research*, Vol. 8, 5315.
7. Shafaii Moghadam H., Rahgoshay M., Whitechurch H. and Monsef, I., (2006). Nain ophiolites as a remnant back-arc basin in the active margin of the Iranian micro-continent: constraints from geochemistry. DIJON, France.
8. Monsef, I., Rahgoshay M. and Shafaii Moghadam, H., (2007). Peridotites from the Khoy ophiolitic complex, NW of Iran: Evidence for mantle beneath a supra-subduction zone setting. *European Geosciences Union 2007. Geophysical Research*, Vol. 9, 00476.
9. Monsef, I. and Rahgoshay, M., (2007). Melt segregation and melt – mantle interaction in a supra-subduction zone context: An example from the Khoy ophiolite, NW Iran. *Gold Schmidt Conference 2007, Geochemica et cosmochemica acta*, A681.
10. Monsef, I. and Rahgoshay, M., (2008). Simultaneous back-arc spreading and arc magmatism since upper Triassic in Iranian continental block. *Gold Schmidt Conference 2008, Geochemica et cosmochemica acta*, 68.
11. Monsef, I., Rahgoshay, M., Shafaii Moghadam, H. and Withechurch H., (2008). Central Iranian ophiolitic belt: Implications for back-arc oceanic basins. 33rd International Geological Congress, Oslo, Norway.

12. Monsef, I., Rahgoshay M. and Shafaii Moghadam, H., (2009). Geochemistry constraints of Triassic – Jurassic Calc-Alkaline Magmatism in the Sanandaj – Sirjan Zone: Implications for Arc Magmatism in the Iranian Continental Margin. Gold Schmidt Conference 2009, *Geochemica et cosmochemica acta*, 87.
13. R. Monsef, I. Monsef, M. Rahgoshay, M.H. Emami and H. Shafaii Moghadam, (2009). Tectonomagmatic Evolution of the Neo - Tethyan Region in the Iranian Continental Margin. European Geosciences Union 2009. *Geophysical Research*, Vol. 11.
14. Monsef I., Rahgoshay M., Emami M.H. & Shafaii Moghadam H., (2009). Geochemical constraints on the development of a Mesozoic volcano-tectonic arc and fore-arc basin in the Sanandaj-Sirjan Zone, south Iran. 7th Swiss Geoscience Meeting, Neuchâtel.
15. Monsef, I. and Rahgoshay M., (2010). Compositional variations and geodynamic implications of the Mesozoic island arc magmatism in the Sanandaj-Sirjan arc-basin system. 8th Swiss Geoscience Meeting, Fribourg.
16. Monsef, R., Emami, M.H., Rashidnejad Omran, N., Monsef, I., (2010). Petrogenetic evolution of Neogene volcanism in northern Urumiyeh-Dokhtar Magmatic Belt: Insights on the origin of post-collision magmatism. 8th Swiss Geoscience Meeting, Fribourg.
17. Monsef, I. and Rahgoshay M., (2011). Geochemistry and petrogenesis of the Dehsheikh Peridotitic Massif (South of Iran). 9th Swiss Geoscience Meeting, Zurich.
18. Monsef, I. and Rahgoshay M., (2012). Upper mantle tectonites in the South of Iran: Fragments of Forearc tectonic environment. Gold Schmidt Conference 2012, Montreal, Canada. *Geochemica et cosmochemica acta*.
19. Rahgoshay M. and Monsef, I., (2013). Petrological and Geochemical Evidences for the Origin of the Neyriz Ophiolites, SE Zagros, Iran. Gold Schmidt Conference 2013. *Geochemica et cosmochemica acta*.
- 20- Monsef, I. & Rahgoshay M. and Monsef R. (2016). The Geodynamic Significant of the Sanandaj-Sirjan Subduction System, Iran: Implication for HFSE Enrichment in Island Arc Setting. Gold Schmidt Conference 2016. *Geochemica et cosmochemica acta*.