



# Hadi Omrani

## Curriculum Vitae

*Assistant Professor of Geology-Petrology at Golestan University*

### Personal Details

Gender Male  
Date of birth 14<sup>th</sup> April, 1979  
Place of birth Gonbad Kavoods, Iran  
Present Iranian  
Citizenship

### Education

2005–2010 **PhD of Geology (Petrology)**, *University of Tabriz, Tabriz, Iran.*  
2003–2005 **Master of Geology (Petrology)**, *University of Tabriz, Tabriz, Iran.*  
1998–2002 **Bachelor of Geology**, *Islamic Azad University Zahedan Baranch, Zahedan.*

### Masters Thesis

Title *South and southwest of Ghorveh metamorphism and deformation study, Kurdistan province*  
Supervisors Prof. Mohsen Moazzen and Dr. Mohsen Moayyed

### PhD Thesis

Title *Petrological investigation on Shanderman eclogite (Northern Iran)*  
Supervisors Prof. Mohsen Moazzen and Dr. Mohsen Moayyed  
Advisers Prof. Roland Oberhänsli and Dr. Tatsuki Tsujimori

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*Last update: April, 2017*

## Teaching Experience

2010–Present Igneous Petrology, Optical Crystallography, Petrology, Field Geology, GIS, Metamorphic rocks, Volcanology

## Present Research/Professional Speciality

- Magmatism and related mineralization study in the east of Haji-Abad village, Golestan province
- Gorgan schists: mineralogy and texture study
- Study of northern Makran high pressure metamorphic rocks
- Adakite and thermodynamic modeling: insight into Sabzevar adakitic rocks
- Copper mineralization in the Bozorg mine, northern CIM, Sabzevar zone, Iran
- Gharenyaregh Mud Volcano: insight into Kopet Dagh basement of south Caspian Sea

## Executive Responsibilities

2013 to present

1. Responsible for setting up Iranian Geological Survey branch at the Golestan province.
2. Responsible for setting up Human faculty of Azadshahr, Golestan province.

## Conferences (selected ones)

- 2010 *Shanderman eclogites from northern Iran, P-T path and Paleotethys geodynamics from subduction to exhumation*. In: Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia, 3–8 Oct. 2010, Middle East Technical University, Ankara, Turkey.
- 2010 *Geochemistry of Shanderman eclogites; constrains on nature of Paleotethys oceanic crust*. In: Tectonic Crossroads: Evolving Orogens of Eurasia-Africa-Arabia, 3–8 Oct. 2010, Middle East Technical University, Ankara, Turkey.
- 2012 *Mineral chemistry and mineral forming study of Sabzevar blueschists, northern CIM*, The 16<sup>th</sup> Geological Society of Iran, Shiraz University, Iran.
- 2013 *Geological and mineralogical classification of Jozchal coal mine ash, Golestan province.*, The 1<sup>st</sup> Conference on Iranian Applied Geochemistry, University of Damghan, 15–16 Aug. Damghan, Iran.
- 2014 *Geological, mineralogical and textural characteristics of the Tash karst bauxite ore deposit*, The 32<sup>nd</sup> National and the 1<sup>st</sup> International Geosciences Congress, GSI, Iran.

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## Publications

1. **H. Omrani**, M. Moayyed, A. Jahangiri, M. Moazzen (2010). Introducing the Ghorveh fibrolites and their formation condition. *Iranian Journal of Petrology* 1(1), 1–10.
2. **H. Omrani**, M. Moazzen, R. Oberhänsli, R. Bosquet, T. Tsujimori, (2010). Amphibole, chlorite and zoisite as retrograde phases in Shanderman. *Iranian Journal of Crystallography and Mineralogy* 18, 485–496.
3. **H. Omrani**, M. Moazzen, R. Oberhänsli, R. Bosquet, T. Tsujimori, (2010). Geochemistry of Shanderman eclogite, constrains on protolith nature. *Iranian Journal of Crystallography and Mineralogy* 3, 433–446.
4. M. Moazzen, G. Pourhatami, R. Hajalioghli, **H. Omrani**, (2012). Magmatic nature and geological setting investigation of Siyah Mansour of Miyaneh amphibolite protolith. *Ahwaz University applied geological Journal* 8, 11–20.
5. **H. Omrani**, R. Michaeli, M. Moazzen, (2013). Geochemistry and petrogenesis of Gasht peraluminous granite, western Alborz, Iran. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 268/2, 175–189.
6. **H. Omrani**, M. Moazzen, R. Oberhänsli, U. Altenberger, M. Lange, (2013). Sabzevar blueschists from North Central Iranian micro-continent as remnants of the Neotethys related oceanic crust subduction. *International Journal of Earth Sciences* 102, 1491–1512.
7. **H. Omrani**, M. Moazzen, R. Oberhänsli, T. Tsujimori, R. Bousquet, M. Moayyed (2013). Late Paleozoic glaucophane-paragonite-zoisite eclogites from northern Iran: Implication for Paleotethys geodynamics. *Journal of Metamorphic Geology* 31, 791–812.
8. **H. Omrani**, M. Moazzen, R. Oberhänsli, (2014). Geochemistry of Sabzevar regional metamorphic rocks, northern Central Iranian Microcontinent Blocks (CIM), *Iranian Journal of Crystallography and Mineralogy*, 22, 49–56.
9. E. Habibzadeh, G. H. Shamanian, **H. Omrani**, (2014). Textural elements analyses in the Jajarm Karst bauxite: composition and condition of formation. *Iranian Journal of economic geology* 6, 163–176.
10. M. Balaghi, M. Sadeghian, H. Ghasemi, M. Mohajjel, **H. Omrani**, (2015). Metapelite petrology, thermobarometry and U-Pb dating of Delbar metamorphic complex. *Iranian Journal of Petrology* 21, 55-82.
11. M. Moazzen, S. Torabi Asl, **H. Omrani** (2015). Study of pressure and temperature of metamorphism, phase stability and garnet and biotite chemical zoning in the Jandaq metamorphic rocks using pseudosection method. *Iranian Journal of Crystallography and Mineralogy* 23, 651-660.
12. M. Daghmechi, **H. Omrani**, M. Emami, J. Nokandeh, (2016). Mineralogical and thermo-chemical characteristics of the Hellenistic ceramics and raw clay from Qizlar Qal'eh (northeastern Iran). *Materials Characterization* 120, 143-151.

Continue:

13. M. Moazzen, M. Ghaderi, D. Whitney, **H. Omrani**, (2016). Geochemistry of metapelitic rocks from the Garmichay area, East Azerbaijan, NW Iran; protolith nature and whole rock control on metamorphic mineral assemblages. *Geopersia* 6, 1-18.
15. G.H. Shamanian, Z. Monfared, **H. Omrani**, (2016). Stratigraphy, Petrography and Facies Characteristic of Tash and Astaneh Bauxite Deposits in the Eastern Alborz: Understanding of Palaeoenvironments. *Journal of Sedimentary Facies* 8, 71-84.
16. **H. Omrani**, M. Moazzen, R. Oberhänsli, (2017). Geodynamic evolution of the Sabzevar Zone, North of the Central Iranian Microcontinent. *Mineralogy and Petrology* 111, 1-19.
14. **H. Omrani**, M. Moazzen, R. Oberhänsli, M. E. Moslempour, (2017). Iranshahr Blueschists: Subduction of the Inner Makran Oceanic Crust, *Journal of Metamorphic Geology* 35, 373-392.
17. **H. Omrani**, (Accepted). Island-arc and active continental margin related adakites, Sabzevar zone, Iran. *Petrology*.
18. **H. Omrani**, M. Raghimi, M. Omrani, (Underreview). Origin of the Gharenyaregh Mud Volcano in the SE Caspian Basin, Iran. *Marine and Petroleum Geology*.
19. **H. Omrani**, M. Moazzen, R. Oberhänsli, (prepared). Mineral chemistry of mafic and ultramafic rocks from Sabzevar area, northern CIM, Iran.

### Visiting Positions

- 2008-2009 A 9-month period for research under the supervision of Prof. Roland Oberhänsli, University of Potsdam, Potsdam, Germany
- 2008-2009 Neotectonics of the southern central Andes, NW Argentina, 2-weeks for research under the supervision of Prof. Manfred Strecker.

### Workshops

- 2009 Workshop on earth surface forming processes: contribution of lithospheric processes, 20–23 Oct. 2008, Potsdam, Germany.
- 2009 GIS application in geology, fundamentals, 14 weeks; Potsdam University, Germany.

### Journal Reviewer

- Lithos
- Geological Society of America Bulletin
- Arabian Journal of Earth Science
- Iranian Journal of Crystallography and Mineralogy
- many other Iranian Journals...
- Earth-Science Reviews
- Chemie der Erde
- GeoPersia

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## Memberships

Iranian Geological Society

Geo-metamorphism

Iranian Society of Crystallography and Mineralogy

## Computer and Software skills

Good Microsoft Office, Microsoft Windows, ....

Good GIS, Glogal Mapper, Theriak-Domino, L<sup>A</sup>T<sub>E</sub>X, X<sub>3</sub>Persian

## Languages

Persian native

English Good, Conversational fluent

## Interests

- Iranian traditional music

- Football

- Mountain Climbing

- Running