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Name: Habibollah

Last Name: Ghasemi

Date of Birth: 22 April 1966

Marital Status: Married: Two childrens

National Number: 2432285018

Qualifications:

B.Sc: In Geology at Tarbiat Moallem (Kharazmi) University, Tehran, Iran, 1985-1989.

M.Sc: In Petrology at Tehran University, Iran, 1989-1992.

Title of Thesis: Petrology and Geology of Intrusive Rocks in Buin-Miandasht Area, Southeastern Aligodarz, Iran.

Ph.D: In Petrology at Tarbiat Modares University, Tehran, Iran, 1994-2000.

Title of Thesis: Petrology, Geochemistry and Mineral Resources of Sikhoran Ultramafic-Mafic Complex, Southeastern, Iran.

Professional Experiences:

- 1- Work in Iranian Institute of Research and Mineral Application, 1990-1992.
- 2- Head of Earth Sciences Department at Shahrood University of Technology, 2001-2002.
- 3- Head of Faculty of Basic Sciences at Shahrood University of Technology, 2002-2003.
- 4- Vice- President of Research and Technology at Shahrood University of Technology, 2003-2006.
- 5- Head of Semnan Science and Technology Park (SSTP), 2003-2006.
- 6- Vice- President of administration and finance at Shahrood University of Technology, 2006-2010.
- 7- Member Board of Trustees at Shahrood University of Technology, Since 2014.
- 8- Member Board of Academic Auditors at Shahrood University of Technology, Since 2014.
- 9- Editorial Board of **IRANIAN JOURNAL OF CRYSTALLOGRAPHY AND MINERALOGY** from 2010. <http://ijcm.ir/>
- 10- Editor-in-Chief of Geochemistry Journal, Islamic Azad University Zarand Branch. <http://geochem.iranjournals.ir/>

Research Interests:

Igneous and Metamorphic Petrology, Geochemistry of Igneous and Metamorphic Rocks, Isotope Geology, Economic Geology, Mineralogy, Geodynamics of Iran.

List of Journal Papers:

- 1- Valizadeh M.V. and Ghasemi H. (1993) Petrogenesis of Granitoid massif of Buin-Miandasht, Southeastern Aligodarz, Iran. *Scientific Quarterly Journal, GEOSCIENCES* 2 (7): 74-83. In Persian with English abstract.
- 2- Ghasemi H., Sabzehei M., and Juteau T. (1998) Geological Character of Sikhoran mafic-ultramafic Complex, Southeast Iran. *Scientific Quarterly Journal, GEOSCIENCES* 7 (29-30): 32-45. In Persian with English abstract.
- 3- Ghasemi H., Sabzehei M., Juteau T., Bellon H., Rastad E., and Emami M.H. (2001) Petrogenesis of Sikhoran ultramafic-mafic Complex, Southeast Iran. *Scientific Quarterly Journal, GEOSCIENCES* 10 (39-40): 46-69. In Persian with English abstract.
- 4- Ghasemi, H., Juteau, T., Bellon, H., Sabzehei, M., Whitechurch, H., and Ricou, L.E., 2002, The mafic-ultramafic Complex of Sikhoran (Central Iran): A polygenetic Ophiolite complex. *C.R.Geoscience* 334:431-438.
- 5- Ghasemi, H., Sabzehei, M., Juteau, T., Bellon, H., and Emami, M.H., 2004. Radiometric Age of Mafic Parts and Metamorphic Hosts of Sikhoran Ultramafic-Mafic Complex, Southeastern Iran. *Scientific Quarterly Journal, GEOSCIENCES* 11 (51-52): 58-67. In Persian with English abstract.

- 6- Ghasemi, H., and Taheri, A., 2004, New Evidences of Neo-Tethys Rifting initiation in Iran. *Journal of Science and Technology 2. Scientific Quarterly Journal of Shahrood University of Technology*. In Persian with English abstract.
- 7- Ghorbani, Gh., Vossoghi Abedini, M., and Ghasemi, H., 2005, Geothermobarometry of Granitoids from Torud-Chah Shirin Area (South Damghan, Northeast Iran). *Iranian Journal of Crystallography and Mineralogy* 13 (1): 95-106. In Persian with English abstract.
- 8- Ghasemi, H., and Asiabanha, A., 2006, Recognizing and discriminating of metamorphic events in Delbar district, SE-Biarjomand, Central Iran. *Research Journal of University of Isfahan* 23(1): 229-246. In Persian with English abstract.
- 9- Ghasemi, H., Ramazani, A., and Khanalizadeh, A., 2008, Petrology, Geochemistry and Tectonomagmatic Setting Of the Silijerd Intrusion, Northwest Saveh, Iran Central. *Scientific Quarterly Journal, GEOSCIENCES* 17(67): 68-85. <http://dx.doi.org/10.22071/gsj.2009.57785>. In Persian with English abstract.
- 10- Khanalizadeh A., Ghasemi H., Sadeghian M., and Abedi A. (2006) Geochemical investigation on quartz- monzonite pluton of Tuye-darvar in eastern Alborz structural zone, Damghan, north-east of Iran. *Geochemica et Cosmochemica Acta* 70(18): A316.
- 11- Ghasemi H. and Derakhshi M. (2008) Mineralogy, geochemistry and role of olivine mechanical separation in generation of lower paleozoic igneous rocks in Shirgesht area, northwest of Tabas, Central Iran. *Iranian Journal of Crystallography and Mineralogy* 16 (2): 207-224. In Persian with English abstract.
- 12- Ghorbani, Gh., and Ghasemi, H., 2009, Geochemistry of Quartz-Tourmaline Vein in Bagho granitoid body, Damghan, NE Iran. *Scientific Quarterly Journal, GEOSCIENCES* 18(72): 89-96. <http://dx.doi.org/10.22071/gsj.2010.57145>. In Persian with English abstract.
- 13- Fardoost, F., and Ghasemi, H., 2008, Mineralogy of Barfakeh zinc and lead ore deposit in the NW of Shahrood, Iran (Introducing some new minerals in this ore deposit). *Iranian Journal of Crystallography and Mineralogy* 16 (3): 415-424. In Persian with English abstract.
- 14- Ghasemi, H., Sadeghian, M., Kord, M., and Khanalizadeh, A., 2010, The Evolution mechanism's of Zahedan granitoidic batholith, southeast Iran. *Iranian Journal of Crystallography and Mineralogy* 17 (4): 551-578. In Persian with English abstract.
- 15- Sadeghian, M., Ghasemi, H., and Farsi, Z., 2010, Petrogenesis of Chah Salar granitoidic pluton (SW of Neishabour, Iran). *Scientific Quarterly Journal, GEOSCIENCES* 19(75): 133-150. <http://dx.doi.org/10.22071/gsj.2010.55458>. In Persian with English abstract.
- 16- Asiabanha, A., Ghasemi, H., and Meshkin, M., 2009, Paleogene continental-arc type volcanism in North Qazvin, North Iran: Facies analysis and geochemistry. *Neues Jahrbuch fur Mineralogie-Abhandlungen* 186(2): 201-214.
- 17- Ghasemi, H., Sadeghian, M., Khanalizadeh, A., and Tanha, A., 2010, Petrology, geochemistry and radiometric ages of high silica adakitic domes of neogene continental arc, south of Quchan. *Iranian Journal of Crystallography and Mineralogy* 18 (3): 347-370. In Persian with English abstract.

- 18- Pourrahim, Z., Dahrazma, B., Ghasemi, H., Mortazavi, M.S., and Taghipour, B., 2010, Sedimentological assessment and contamination of superficial sediments in Sirik and Jask Harbors with As and Hg. *JOURNAL OF STRATIGRAPHY AND SEDIMENTOLOGY RESEARCHES* 25(37): 47-67. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 19- Balaghi Z., Sadeghian M., and **Ghasemi H.** (2010) Petrogenesis of the lower Paleozoic igneous rocks, south of Bahabad (Bafq, central Iran): Implication for Rifting. *IRANIAN JOURNAL OF PETROLOGY* 1(4): 45-64. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 20- **Ghasemi H.,** and Barahmand M. (2011) Geology of Garmsar region and determine the relation between time and place salt domes and masses of gabbro-diorite in the Lower Red Formation, Central Iran. *JOURNAL OF SALT*, Vol.1, No.2, Autumn 2011, pp: 31-45. In Persian with English abstract.
- 21- **Ghasemi H.,** Barahmand M., and Sadeghian M. (2011) The Oligocene basaltic lavas of east and southeast of Shahroud: Implication for back-arc basin setting of Central Iran Oligo-Miocene basin. *IRANIAN JOURNAL OF PETROLOGY*, Vol.2, No.7, Fall 2011, pp:77-94. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 22- Ghasemi, H., and Jamshidi, Kh., 2012, Geochemistry, petrology and proposed tectonomagmatic model for generation of alkaline basic rocks in the base of the Shemshak Formation, the eastern Alborz zone. *Iranian Journal of Crystallography and Mineralogy* 19 (4): 699-714. In Persian with English abstract.
- 23- Ghasemi, H., and Khanalizadeh, A., 2012, Toye-Darvar A-type Granitoid, Southwest of Damghan: Constraints on the Paleotethyan Extensional Basin of lower Paleozoic's in Alborz. *Iranian Journal of Crystallography and Mineralogy* 20 (1): 3-24. In Persian with English abstract.
- 24- Shabaniyan, E., Acocella, V., Gioncada, A., Ghasemi, H., and Bellier, O., 2012, Structural control on volcanism in intraplate post collisional settings: late Cenozoic to Quaternary examples of Iran and Eastern Turkey. *TECTONICS* 31(TC3013). doi:10.1029/2011TC003042, 2012
- 25- Garavand, M., Ghasemi, H., and Hafezi Moghaddas, N., 2012, Geochemical and Environmental Assessment of the Heavy Metals in the Soils Derived from the Gorgan Schists. *Scientific Quarterly Journal, GEOSCIENCES* 22(86): 35-46. <http://dx.doi.org/10.22071/gsj.2012.54055>. In Persian with English abstract.
- 26- Derakhshi, M., Ghasemi, H., 2013, Soltan Maidan Complex (SMC) in the eastern Alborz structural zone, northern Iran: Magmatic evidence for Paleotethys development. *Arabian Journal of Geoscience* 6 (11). Doi 10.1007/s12517-013-1180-2.
- 27- **Ghasemi H.,** Timori S., and Asiabanha A. (2012) Geochemistry, tectonic setting and petrogenesis of volcanic rocks of Jirandeh, northwest of Qazvin. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.6, No.22, pp: 17-33. In Persian with English abstract.
- 28- **Ghasemi H.,** and Barahmand M. (2013) Petrology and geochemistry of igneous rocks in Lower Red Formation, Garmsar area. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.7, No.26, pp: 17-33. In Persian with English abstract.

- 29- **Ghasemi H.**, Kazemi, Z., and Taheri, A. (2013) Geochemistry and petrogenesis of the basalts of Abarsej Formation (Late Ordovician), Eastern Alborz, North of Iran. *QUARTERLY IRANIAN JOURNAL OF GEOCHEMISTRY*, vol.1, No.1, Spring 2013, pp: 12-23. In Persian with English abstract.
- 30- Ghasemi H., and Kazemi Z. (2013) Tectonic setting and source characteristics of the Abarsej formation igneous rocks (Upper Ordovician), eastern Alborz, north of Shahrood. *Iranian Journal of Crystallography and Mineralogy* 21 (2): 319-330. In Persian with English abstract.
- 31- Ghasemi, H., Allahyari, S., Taheri, A., and Sadeghian, M., 2013, Stratigraphic Position and Textural Analysis of Volcanic Rocks of the Abbasabad Volcano-Sedimentary Belt, NE Shahrood. *JOURNAL OF STRATIGRAPHY AND SEDIMENTOLOGY RESEARCHES* 29 (50):25-42. In Persian with English abstract.
- 32- Derakhshi M., **Ghasemi H.**, and Sahami T., 2014, *Geology and Petrology of the Soltan Maydan Basaltic Complex in North-Northeast of Shahrud, Eastern Alborz, North of Iran*. Scientific Quarterly Journal, *GEOSCIENCES* 23(91): 63-76. <http://dx.doi.org/10.22071/gsj.2014.43771>. In Persian with English abstract.
- 33- **Ghasemi H.**, and Jamshidi Kh. (2013) Investigation of source region properties of alkaline basic rocks in the base of Shemshak Formation in the eastern Alborz zone. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.7, No.27, pp: 17-29. In Persian with English abstract.
- 34- Abedpour Z., Mirhosseini S.M., Ahmadipour H., and **Ghasemi H.** (2013) Petrography, geochemistry and origin of Kouhe Gabri granitoid, Rafsanjan. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.7, No.27, pp: 75-87. In Persian with English abstract.
- 35- Jamshidi Kh., **Ghasemi H.**, and Sadeghian M. (2014) Petrology and geochemistry of the Sabzevar post-ophiolitic high silica adakitic rocks. *Iranian Journal of PETROLOGY*, Vol.5, No.17, Spring 2014, pp:51-68. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 36- Hosseini S.H., Sadeghian M., and **Ghasemi H.** (2014) Petrology, geochemistry and stratigraphical position of Diabasic swarm dikes cutting Band-e-Hezarchah granitoidic pluton (Southeast of shahrood): An evidence for Middle Cimerian magmatism. *QUARTERLY IRANIAN JOURNAL OF GEOCHEMISTRY*, vol.1, No.4, Summer 2013, pp: 309-317. In Persian with English abstract.
- 37- Balaghi Z., Sadeghian M., Ghasemi H., Mohajjel M., and Zhai M., 2014, Mineralogy, Geochemistry and radiometric age of mafic dikes in Delbar metamorphic complex (southeast of shahrood). *Iranian Journal of Crystallography and Mineralogy* 22 (3): 471-484. In Persian with English abstract.
- 38- Balaghi Z., Sadeghian M., Zhai M., Ghasemi H., Mohajjel M. (2014) Zircon U-Pb ages, Hf isotopes and geochemistry of the schists, gneisses and granites in Delbar Metamorphic-Igneous Complex, SE of shahrood (Iran): Implications for Neoproterozoic geodynamic evolution of Central Iran. *Journal of Asian Earthscience* 92: 92-124. DOI: 10.1016/j.jseaes.2014.06.011
- 39- Derakhshi M., and **Ghasemi H.** (2014) Ordovician-Devonian magmatism in the north of Shahrood: implication for long lived rifting of Paleotethys in

- Eastern Alborz. *IRANIAN JOURNAL OF PETROLOGY*, Vol.5, No.18, Summer 2014, pp:105-122. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 40- Ghasemi H. and Rezaei-Kahkhaei M. (2015) Petrochemistry and Tectonic Setting of the Davarzan-Abbasabad Eocene Volcanic (DAEV) rocks, NE Iran. *Mineralogy and Petrology* 109(2): 235-252. DOI 10.1007/s00710-014-0353-3.
- 41- Jamshidi Kh., Ghasemi H., Troll V.R., Sadeghian M., and Dahren B., 2015, Magma storage and plumbing of adakite-type post-ophiolite intrusions in the Sabzevar ophiolitic zone, NE Iran. *Journal of Solid Earth* 6: 49-72. doi:10.5194/se-6-49-2015.
- 42- **Ghasemi H.**, and Dayhimi M. (2015) Devonian Alkaline Basic Magmatism in Eastern Alborz, North of Shahrood: Evidence for Paleotethys Rifting. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.8, No.32, pp: 19-32. In Persian with English abstract.
- 43- Derakhshi M., Ghasemi H., and Koksai F.T. (2015) Mineral chemistry and thermobarometry of Soltan Maidan basalts. *Iranian Journal of Crystallography and Mineralogy* 23 (2): 257-268. In Persian with English abstract.
- 44- Hosseini S.H., Sadeghian M., Zhai M., and Ghasemi H., 2015, Petrology, geochemistry and zircon U–Pb dating of Band-e-Hezarchah metabasites (NE Iran): An evidence for back-arc magmatism along the northern active margin of Gondwana. *Journal of Chemie der Erde* 75: 207-218.
- 45- Balaghi Z., Sadeghian M., Ghasemi H., Mohajjel M., Omrani, H., 2015, Petrology, thermobarometry and U-Pb dating on the rocks of Delbar complex, Biarjmand area (southeast of Shahrood). *Iranian Journal of Petrology* 6 (21): 55-82. In Persian with English abstract.
- 46- Balaghi Z., Sadeghian M., Ghasemi H., Mohajjel M., and Zhai M., 2015, Mineralogy, geochemistry and thermobarometry of garnet-amphibolites in Delbar metamorphic complex, Biarjmand (Southeast of Shahrood). *Iranian Journal of Crystallography and Mineralogy* 23 (3): 479-494. In Persian with English abstract.
- 47- Ghasemi, H., Kazemi, Z., and Salehian, Sh., 2015, Comparison of the Mafic Igneous Rocks from the Ghelli Formation (Upper Ordovician) and the Gorgan Schists in the Eastern Alborz Zone. *Scientific Quarterly Journal, GEOSCIENCES* 24(96): 263-276. <http://dx.doi.org/10.22071/gsj.2015.41771> In Persian with English abstract.
- 48- Jamshidi, Kh., Ghasemi, H., and Miao, L., 2015, U-Pb age dating and determination of source region composition of post-ophiolite adakitic domes of Sabzevar. *Iranian Journal of Petrology* 6 (23): 121-138. In Persian with English abstract.
- 49- Saki S., Sadeghian M., and Ghasemi H., 2016, Interpretation of magnetic fabrics based on variations of anisotropy of magnetic susceptibility (AMS) in Bouin-Miandasht granitoid pluton. *Quarterly Journal, GEOSCIENCES* 25(98): 385-394. <http://dx.doi.org/10.22071/gsj.2016.41261>. In Persian with English abstract.
- 50- Hosseini, S.H., Sadeghian; M., Zhai, M., Ghasemi, H., 2016, Mineral chemistry, thermobarometry and petrogenesis of Band-e-Hezarchah dike swarms (southeast of Shahrood). *Iranian Journal of Petrology* 7(25): 81-96. <http://dx.doi.org/10.22108/ijp.2016.20834>. In Persian with English abstract.

- 51- Ghasemi, H., Rostami Hossuri, M., Sadeghian, M., and Kadkhodaye Arab, F., 2016, Back-arc extensional magmatism in the Oligo-Miocene basin of the Northern edge of Central Iran. *Scientific Quarterly Journal, GEOSCIENCES* 25(99): 239-252. <http://dx.doi.org/10.22071/gsj.2016.40915> In Persian with English abstract.
- 52- Hosseini, S.H., Sadeghian; M., Zhai, M., Ghasemi, H., 2016, Mineral chemistry, petrogenesis and tectonic setting of Band-e-Hezarchah granitoids (SE Shahrood). *Iranian Journal of Crystallography and Mineralogy* 24 (2): 259-272. In Persian with English abstract.
- 53- Yousefi, F., Sadeghian, M., Samyari, S., and Ghasemi, H., 2016, Geochemistry and Tectonic setting of high silica adakitic domes Of Ahmad Abad Khartouran (South East of Shahrood). *Scientific Quarterly Journal, GEOSCIENCES* 25(100): 291-298. <http://dx.doi.org/10.22071/gsj.2016.40763> In Persian with English abstract.
- 54- Ghasemi, H., Sarizan, R., Taheri, A., 2016, Source properties and tectonic setting of the basic magmatism in the Lower Red Formation, north of Garmsar (Semnan, Central Iran). *Iranian Journal of Petrology* 7(28): 95-108. <http://dx.doi.org/10.22108/ijp.2016.21020>. In Persian with English abstract.
- 55- Derakhshi M., Ghasemi H. Laicheng Miao (2017) Geochemistry and petrogenesis of Soltan Maidan basalts (E Alborz, Iran): Implications for asthenosphere-lithosphere interaction and rifting along the N margin of Gondwana. *Journal of Chemie der Erde*. <http://dx.doi.org/10.1016/j.chemer.2017.01.002>
- 56- Yousefi F., Sadeghian M., Jamali, Z., Mansouri Moghadam, B., Ghasemi H., 2017a, Petrogenesis of low Silica Adakitic domes of Sahl (South of Shahrood, southeast of Semnan Province). *Iranian Journal of Petrology* 7(28): 95-108. <http://dx.doi.org/10.22108/ijp.2016.21232>. In Persian with English abstract.
- 57- Yousefi F., Sadeghian M., Wanhainen C., Ghasemi H., Frei. D., 2017b, Geochemistry, petrogenesis and tectonic setting of middle Eocene hypabyssal rocks of the Torud–Ahmad Abad magmatic belt: An implication for evolution of the northern branch of Neo-Tethys Ocean in Iran. *Journal of Geochemical Exploration* 178: 1–15.
- 58- Rahbar, M., Rezaei-Kahkhaei, R., and Ghasemi, H. (2017) Dating of Lakhshak intrusive assemblage through the U-Pb method on zircon and titanite, East Iran. *Iranian Journal of Crystallography and Mineralogy* 25 (1): 111-122. In Persian with English abstract.
- 59- Tashi, M., Mousivand, F., and **Ghasemi, H.** (2017a) Occurrence of native copper mineralization within the volcanic host rocks of the Garmabe Paein Cu-Ag volcanogenic massive sulfide deposit, Southeast of Shahrood. *QUARTERLY IRANIAN JOURNAL OF GEOLOGY*, Vol.10, No.40, Winter 2017, pp: 89-105. In Persian with English abstract.
- 60- Tashi M., Mousivand F., and **Ghasemi H.** (2017b) Cu-Ag Besshi type volcanogenic massive sulfide mineralization in the Late Cretaceous volcano- sedimentary sequence: the case of Garmabe Paein deposit, southeast of Shahrood. *JOURNAL OF ECONOMIC GEOLOGY* 9(1), Spring and Summer 2017, PP: 213-233. *Scientific Quarterly Journal of Ferdowsi University of Mashhad, Iran*. In Persian with English abstract.
- 61- Alimousa Z., Rezaei-Kahkhaei M., and Ghasemi H. (2017) Determining the physical crystallization condition of Lakhshak granodiorite pluton and its dykes. *Iranian Journal of Crystallography and Mineralogy* 25

- (2): 311-328. In Persian with English abstract.
- 62- Sadeghian M., Gavanji N., Ghasemi H. and Ramazani Oumali R. (2017) Determination of emplacement mechanism of Zafarghand granitoid Pluton (Southeast of Ardestan) by using anisotropy of magnetic susceptibility method (AMS). *PETROLOGICAL JOURNAL* 8(29):109-134. 10.22108/IJP.2017.21502. Scientific Quarterly Journal of University of Isfahan, Iran. In Persian with English abstract.
- 63- Yousefi F., Sadeghian M., Wanhainen C., Ghasemi H., Lambrini P., Bark G., Rezaei-Kahkhaei M., Koroneos A., 2017c, Mineral Chemistry and P-T Conditions of the adakitic rocks from Torud-Ahmad Abad Magmatic Belt, S-SE Shahrood, Iran. *Journal of Geochemical Exploration* 182: 110–120.
- 64- Rostami Hossuri, M., Ghasemi, H., Pang, K.N., Rezaii, M., and Mobasher, M., 2018, Mineral chemistry and thermobarometry of Jurassic diabase dikes swarm from West Reza-Abad (South West of Biarjomand). *Iranian Journal of Crystallography and Mineralogy* 25 (4): 761-774. 10.29252/ijcm.25.4.761. In Persian with English abstract.
- 65- Shekari, S., Sadeghian, M., Zhai, M., Ghasemi, H., and Zou, Y., 2017, Mineral chemistry and petrogenesis of metabasites of Shotor-Kuh metamorphic - igneous complex (SE Shahrood) as an indicator for evolution of intracontinental extensional basins of late Neoproterozoic. *Scientific Quarterly Journal, GEOSCIENCES* 27(105): 167-182. <https://doi.org/10.22071/gsj.2017.54181> In Persian with English abstract.
- 66- Barzgari, L., Ghasemi, H., and Rezaei-Kahkhaei, M., 2018, Crystal size distribution analysis of plagioclase and pyroxene in basaltic and andesitic rocks of Abbasabad Area, east of Shahrood. *Iranian Journal of Crystallography and Mineralogy* 26 (1): 63-78. 10.29252/ijcm.26.1.63. In Persian with English abstract.
- 67- Ghasemi, H., Rostami Hossuri, M., and Sadeghian M., 2018, Basic magmatism in the extensional back-arc basin of the Lower-Middle Jurassic on the Northern edge of Central Iran-South of Eastern Alborz zones, Shahrood-Damghan. *Scientific Quarterly Journal, GEOSCIENCES* 27(107): 123-136. <http://dx.doi.org/10.22071/gsj.2018.63800> In Persian with English abstract.
- 68- Baluchi, S., Sadeghian, M., Ghasemi, H., Zhai, M., Li, Q., and Zhang Y., 2017, Mineral Chemistry, Geochronology and Sr-Nd Isotopic Geochemistry of Ayrakan Granites. *Kharazmi Journal of Earth Sciences* 3(2): 139-160. 10.29252/gnf.3.2.139. In Persian with English abstract.
- 69- Shekari, S., Sadeghian, M., Ghasemi, H., and Zhai, M., 2018, Mineral chemistry, petrogenesis of metapelitic rocks of metamorphic - igneous Shotor-Kuh complex (SE Shahrood). *Iranian Journal of Crystallography and Mineralogy* 26 (1): 179-194. 10.29252/ijcm.26.1.179. In Persian with English abstract.
- 70- Teimouri, S.S., Ghasemi, H., Asiabanha, A., 2018, The role of crustal contamination and differentiation in the formation of the Eocene volcanic rocks in Jirande area (Northwest of Qazvin). *Petrological Journal* 9 (33): 71-90. 10.22108/IJP.2017.82007.0
- 71- Jamshidi Kh., Ghasemi H., Laicheng Miao; Sadeghian M. (2018) Adakite magmatism within the Sabzevar ophiolite zone, NE Iran: U-Pb geochronology and Sr-Nd isotopic evidences. *Geopersia*, 8 (1): 111-130. DOI: 10.22059/GEOPE.2017.242944.648352.
- 72- Rezaei-Kahkhaei M., Ghasabi-Fayz A., and Ghasemi H. (2018) Mineral

- chemistry of clinopyroxene in the Eocene basaltic rocks of the Gardaneh Ahovan area, NE Semnan. *Iranian Journal of Crystallography and Mineralogy* 26 (2): 339-354. In Persian with English abstract. [10.29252/ijcm.26.2.339](https://doi.org/10.29252/ijcm.26.2.339)
- 73- Gardideh, S., Ghasemi, H., Sadeghian, M., 2018, U-Pb age dating on zircon crystals, Sr-Nd isotope ratios and geochemistry of Neogene adakitic domes of Quchan-Esfarayen magmatic belt, NE Iran. *Iranian Journal of Crystallography and Mineralogy* 26 (2): 455-478. [10.29252/ijcm.26.2.455](https://doi.org/10.29252/ijcm.26.2.455). In Persian with English abstract.
- 74- Mousivand F., Tashi M., and Ghasemi H. (2018) Nakhlak (Salamrud) manganese mineralization in the Late Cretaceous volcano-sedimentary sequence, southeast of Shahrood, Sabzevar subzone. *Advanced APPLIED GEOLOGY* 7(4): 51-65. In Persian with English abstract. [10.22055/AAG.2018.20811.1654](https://doi.org/10.22055/AAG.2018.20811.1654)
- 75- Ghasemi, H., Kazemi, Z., Mousivand, F., Griffin, W., 2018, Whole-rock geochemistry and mineral chemistry of the Late Cretaceous dacites in SW Sabzevar: constrain on their origin and tectonic setting. *Iranian Journal of Petrology* 9(35): 79-100. <http://dx.doi.org/10.22108/ijp.2018.105937.1049>
- 76- Rezaei-Kahkhaei, M., Taheri, A., Ghasemi, H., and Gardideh, S., 2019, Geochemistry and Isotope Geology of Adakitic Domes from Chakane Area in South of Quchan (Northeast of Iran). *Iranian Journal of Petrology* 9(36): 25-48. <http://dx.doi.org/10.22108/ijp.2018.104209.1031>
- 77- Naderi A., Ghasemi H., and Lambrini P. (2018b) Amphibole mineral chemistry and geothermobarometry of the emplacement depth of Touyeh- Darvar pluton, Southwest of Damghan, Semnan. *Kharazmi Journal of Earth Sciences* 4(1): 43-56. In Persian with English abstract.
- 78- Naderi A., Ghasemi H., Santos J.F., Rocha F., Griffin W.L., Shafaiimoghadam H., and Lambrini P. (2018a) Petrogenesis and tectonic setting of the Tuyeh-Darvar Granitoid (Northern Iran): Constraints from zircon U-Pb geochronology and Sr-Nd isotope geochemistry. *Lithos*. doi:10.1016/j.lithos.2018.08.034
- 79- Xingbo Li, Laicheng Miao, Fochin Zhang, Habibollah Ghasemi, Shuaiming Zhu, Shunhu Yang (2018) Mashhad komatiitic rocks in NE Iran: Origin and implications for the evolution of the Paleo-Tethyan Ocean. *Geological Journal*. 1-21. <https://doi.org/10.1002/gj.3329>
- 80- Shekari, S., Sadeghian, M., Ghasemi, H., and Zhai, M., 2019, Mineral chemistry and Thermobarometry of Middle Jurassic diabasic dikes Cutting metamorphic - igneous Shotor-Kuh complex (SE Shahrood). *Iranian Journal of Crystallography and Mineralogy* 26 (4): 915-928. [10.29252/ijcm.26.4.915](https://doi.org/10.29252/ijcm.26.4.915). In Persian with English abstract.
- 81- Baluchi, S., Sadeghian, M., Ghasemi, H., Zhai, M., Li, Ch., Zhang Y., 2019, Mineral chemistry, geochemistry and isotope geochronology of kalateh region (NW of Khur): implication for Late Triassic magmatism of central Iran zone *Iranian Journal of Crystallography and Mineralogy* 26 (4): 827-844. [10.29252/ijcm.26.4.827](https://doi.org/10.29252/ijcm.26.4.827). In Persian with English abstract.
- 82- Davoodifar M., Forghani G., Ghorbani H., and Ghasemi H. (2018) Distribution of Potentially Toxic Elements in Tailings, Mine and Agricultural Soils around the Irankuh Pb-Zn Mine, SW Esfahan. *JOURNAL OF ECONOMIC GEOLOGY* 10(2): 537-559. In Press. In Persian with English abstract.

- 83- Veiskarami, M., Sadeghian, M., Ghasemi, H., Shekari, S., and Zhai, M., 2019, Petrogenesis and U-Pb dating of the Late Neoproterozoic Metarhyolites of the Majerad Igneous-Metamorphic Complex (SE Shahrood): An implication to the Formation and Development of the Intracontinental Extensional basins in the Iranian Gondwanan Terranes. *Kharazmi Journal of Earth Sciences* 4(2): 241-263. 10.29252/gnf.4.2.241
- 84- Veiskarami, M., Sadeghian, M., Zhai, M., and Ghasemi, H., 2019, Petrology, geochemistry and dating of the Late Neoproterozoic metabasites of the Majerad metamorphic complex (SE Shahrood): One step to understanding of the geodynamic evolutions of Iranian Gondwanan terranes. *Iranian Journal of Crystallography and Mineralogy* 27 (1): 191-206. 10.29252/ijcm.27.1.191. In Persian with English abstract.
- 85- Kazemi, Z., Ghasemi, H., Tilhac, R., Griffin, W., Shafaii Moghadam, H., O'Reilly, S., & Mousivand, F., 2019a, Late Cretaceous subduction-related magmatism on the southern edge of Sabzevar basin, NE Iran. *Journal of the Geological Society* 176(3), 530-552.
- 86- Kazemi, H.K., Ghasemi H., Taheri, A. (2019) Stratigraphic position and diversity occurrences of basic alkaline igneous rocks in the Permian sedimentary strata, Central Alborz Zone. *Journal of Stratigraphy and Sedimentology Researches*. University of Isfahan, 34, 73(4):1-20. 10.22108/JSSR.2019.114148.1075
- 87- Kazemi, Z., Ghasemi, H., Mousivand, F., Griffin, W., 2019b, Late Cretaceous Island-arc subduction magmatism in northern edge of central Iran, SW Sabzevar. *Iranian Journal of Geology* 13 (49): 1-21. In Persian with English abstract .<http://geology.saminattech.ir/en/Article/9671>
- 88- Mobasheri M., **Ghasemi H.**, Rahimi B., and Rostami-Hossuri M. (2018) Skeletal, Spinifex and Harrisitic Textures in Upper Paleozoic Komatiitic Sills and Lavas from Mashhad-Virani Complex, NE Iran. *Journal of Economic Geology*. **JOURNAL OF ECONOMIC GEOLOGY** 11(2): 237-255 In Press. In Persian with English abstract.
- 89- Hedayaty Kharagh, S.N., Ghasemi, H., Kazemi Hassanvand, Z., 2019, Mineral chemistry and physical conditions of crystallization in Filshour and Goft dioritic intrusions, Southwest of Sabzevar. *Iranian Journal of Crystallography and Mineralogy* 27 (3): 667-682. 10.29252/ijcm.27.3.667. In Persian with English abstract.
- 90- Mobasheri, M., Ghasemi, H., Rahimi, B., Gourabjiri-pour, A., 2020, Mineral chemistry and termometry of the high-Mg ultramafic lava flows (Komatiite), NE Iran: evidence of plume-arc interaction in the Upper Paleozoic Mashhad-Fariman subduction zone. *Petrological Journal* 10 (39): 25-52. 10.22108/IJP.2019.115872.1123
- 91- Asadi-Avargane, M., Rezaei-Kahkhaei, M., and Ghasemi, H., 2019, Petrology and geochemistry of adakitic dacites of the Qarah Chay Neogene caldera, SE Quchan. *Scientific Quarterly Journal, GEOSCIENCES* 29(114): 241-250. <https://doi.org/10.22071/gsj.2019.171867.1614>
- 92- Sheykhi, M., Rezaei-Kahkhaei, M., Ghasemi, H., 2019, Biotite and feldspar chemistry: An approach to the petrogenesis of the Gapdan pluton (NW of Zahedan). *Iranian Journal of Crystallography and Mineralogy* 27 (3): 635-648. [10.29252/ijcm.27.3.635](https://doi.org/10.29252/ijcm.27.3.635). In Persian with English abstract.
- 93- Veiskarami, M., Sadeghian, M., Shahvali ., Kohshori, P., Ghasemi, H., and Zhai, M., 2020, Majerad Gabbrodiorites in the Southeast of Shahrood:

- Evidence to Starting of Opening of the Supra-Subduction Basin of the Sabzevar Neotethyan Branch in the Middle Jurassic. *Kharazmi Journal of Earth Sciences* 5(2): 293-314. 10.29252/gnf.5.2.293
- 94- Rezaei-Kahkhaei, M., Ansarifar, O., Ghasemi, H., 2019, Geochemistry and Oxygen Stable Isotopes of Reza Abad Agates, SE Shahrood, Central Iran: An Approach to Temperature and Formation Process. *Journal of Economic Geology* 11 (3): 525- 541. 10.22067/ECONG.V11I3.70421
- 95- Veiskarami, M., Sadeghian, M., Ghasemi, H., and Zhai, M., 2020, Mineral chemistry and geothermobarometry of metabasites of the Majerad igneous-metamorphic complex (SE of Shahrood). *Journal of Economic Geology* 11 (4): 665- 684. 10.22067/ECONG.V11I4.73682
- 96- Rostami-Hossouri, M., Ghasemi, H., Pang, K.N., Shellnutt, J.G., Rezaei-Kahkhaei, M., Miao, L., Mobasheri, M., Iizuka, Y., Lee, H.Y., and Lin, T.H., 2020. Geochemistry of continental alkali basalts in the Sabzevar region, northern Iran: implications for the role of pyroxenite in magma genesis. *Contributions to Mineralogy and Petrology* 175:50. <https://doi.org/10.1007/s00410-020-01687-z>
- 97- Rezaei, M., Sadeghian, M., Ghasemi, H., Lambrini P., 2020a, Mineral chemistry and thermobarometry of the Late Neoproterozoic metabasites from Do-Chah metamorphic-igneous complex (SE Shahrood) *Iranian Journal of Crystallography and Mineralogy* 28 (1): 233-248. 10.29252/ijcm.28.1.233. In Persian with English abstract. <http://ijcm.ir/article-1-1430-fa.html>
- 98- Naderi, A., Ghasemi, H., and Lambrini, P., 2020, Biotite mineral chemistry, geothermobarometry and the role of total Al content of biotite in distinguishing of mineralization in the Touyeh- Darvar granitoid, SW of Damghan, Eastern Alborz.. *Iranian Journal of Geology* 14 (53): 1-15. In Persian with English abstract. <http://geology.saminattech.ir/Article/9776>
- 99- Rezaei, M., Sadeghian, M., Ghasemi, H., Lambrini P., 2020b, Mineral Chemistry and metamorphic evolution of the Late Neoproterozoic Metapelites of Do-Chah metamorphic - igneous complex (SE Shahrood). *Iranian Journal of Crystallography and Mineralogy* 28 (2): 341-356. 10.29252/ijcm.28.2.341. In Persian with English abstract.
- 100- Yousefi, F., Mills, R.D., Sadeghian, M., Lentz, D.R., Wanhainen, C., Ghasemi, H., and Miao, L., 2021. Geochemical and Nd-Sr Isotopic Compositions of Hypabyssal Adakites in the Torud-Ahmad Abad Magmatic Belt, Northern Central Iran Zone: Analysis of Petrogenesis and Geodynamic Implications. *Journal of Earth Science*, 32: 1428-1444. <https://doi.org/10.1007/s12583-020-1378-7>
- 101- Ghasemi, H., Arabzadeh Baniyasi, M., and Rostami hosuri, M., 2021, Mineral Chemistry and Whole Rock Isotope Chemistry: an aperture to petrogenesis of the Abbasabad basaltic- andesitic rocks, east of Shahrood. *Scientific Quarterly Journal, GEOSCIENCES* 30(118): 135-144. <https://doi.org/10.22071/gsj.2020.215769.1741> In Persian with English abstract.
- 102- Rezaei-Kahkhaei, M., Corfu, F., Sheykhi, M., Ghasemi, H., Shi, Y. (2021) Mineral chemistry and ages of the Eocene Gapdan granitoid pluton and related dykes (Sistan suture zone, eastern Iran): multi-stage emplacement of a zoned pluton during progressive deformation and exhumation. *Journal of Asian Earth Sciences*. <https://doi.org/10.1016/j.jseaes.2021.104813>
- 103- Shahabi, Sh., Ghasemi, H., Rezaei-Kahkhaei, M., Zhai M., 2021,

- Petrography, whole-rock geochemistry and mineral chemistry of clinopyroxene and amphibole in basic alkaline igneous rocks of Shemshak Formation, S Azadshahr, Eastern Alborz. *Iranian Journal of Crystallography and Mineralogy* 29 (1): 111-128. [10.52547/ijcm.29.1.111](https://doi.org/10.52547/ijcm.29.1.111). In Persian with English abstract.
- 104- Tashi, M., Mousivand, F., Ghasemi, H., Maghfouri, S., Maslennikov, V., , Jan, M. Peter, J.M., and Sadykov, S.A., 2021, Evolution of the Garmab-e-Paein native copper-rich volcanogenic massive sulfide deposit from northeast Iran: Insights from sulfur isotope and chlorite chemistry. *Ore Geology Reviews*. <https://doi.org/10.1016/j.oregeorev.2021.104345>
- 105- Shahabi, Sh., Ghasemi, H., Rezaei-Kahkhaei, M., Zhai M., 2021, Thermo-barometry of Permo-Triassic mafic Igneous intrusion, Talu, Eastern Alborz Zone. *Scientific Quarterly Journal, GEOSCIENCES* 31(120): 173-188. <http://dx.doi.org/10.22071/gsj.2020.215769.1741> In Persian with English abstract. <http://dx.doi.org/10.22071/gsj.2020.237027.1809>
- 106- Gardideh, S., Ghasemi, H., Sadeghian, M., Miao, L., and Fuqin, Z., 2021, Neogene Basaltic rocks of the Quchan-Esfarayen Magmatic Belt, NE Iran: an evidence to mantle ascending through oceanic slab window. *Iranian Journal of Geology* 15 (59): 29-48. 20.1001.1.17357128.1400.15.59.5.1. In Persian with English abstract.
- 107- Rezaei-Kahkhaei, M., Corfu, F., Galindo, C., Rahbar, R., and Ghasemi, H., 2022, Adakite genesis and plate convergent process: Constraints from whole rock and mineral chemistry, Sr, Nd, Pb isotopic compositions and U-Pb ages of the Lakhshak magmatic suite, East Iran. *LITHOS* 426–427 (2022) 106806 <https://doi.org/10.1016/j.lithos.2022.106806>
- 108- Asadi, A., Ghasemi, H., Mobasheri, M., 2022, Mineral chemistry of Cr-spinel in the Sargaz-Abshour ultramafic-mafic intrusion, SE of Iran: an implication to the tectonic setting of the intrusion. *Scientific Quarterly Journal, GEOSCIENCES* 32(126): 103-118. **Doi: 10.22071/GSJ.20220317848.1960** In Persian with English abstract.
- 109- Jafari, A., Ghasemi, H. 2023, Geologic history of the Sabzevar oceanic Basin, NE Iran: An overview from continental rifting to obduction in the NeoTethys oceanic system. *Journal of Asian Earth Sciences* 245 (2023) 105559. <https://doi.org/10.1016/j.jseaes.2023.105559>
- 110- Nazanin Sarhadi; Mehdi Rezaei-Kahkhaei; Yuruo Shi; Muriel Erambert; Habibollah Ghasemi (2023) Thermobarometric and structural constraints on multistage emplacement mechanism of Garagheh pluton, Sistan Suture Zone (SE Iran). *Journal of Asian Earth Sciences* 250 (2023) 105624. <https://doi.org/10.1016/j.jseaes.2023.105624>
- 111- Jafari, A., Ao, S., Jamei, S., Ghasemi, H. (2023) Evolution of the Zagros sector of Neo-Tethys: Tectonic and magmatic events that shaped its rifting, seafloor spreading and subduction history. *Earth-Science Reviews* 241 (2023) 104419. DOI: 10.1016/j.earscirev.2023.104419
- 112- Asadi, A., Ghasemi, H., Mobasheri, M., 2023, Olivine chemistry as a petrogenetic index for genesis of Sargaz-Abshur ultramafic-mafic Intrusion, SE Baft, Kerman. *Iranian Journal of Crystallography and Mineralogy* 31 (1): 31-44. In Persian with English abstract. [10.52547/ijcm.31.1.31](https://doi.org/10.52547/ijcm.31.1.31)
- 113- Asadi, S. A. A., Ghasemi, H., Sepidbar, F., Mobasheri, M., Shi, Y., and Palin, R. M. (2023) A polygenetic origin for the Sikhoran ultramafic-mafic

- complex in South Iran. *LITHOS* 456–457 (2023) 107336. <https://doi.org/10.1016/j.lithos.2023.107336>
- 114- Arabzadeh Baniasadi, M., Ghasemi, H., Angiboust, S., Rezaei Kahkhaei, M., Lambrini, P. (2024) Chemical composition of biotite in the Gowd-e-Howz (Siah-Kuh) granitoid stock, Baft, Kerman: Evidence for tectonic setting and physicochemical conditions of magma emplacement and crystallization. *Kharazmi Journal of Earth Sciences* 9(2), 197 - 224. <http://doi.org/10.22034/KJES.2024.9.2.103233>
- 115- Arabzadeh Baniasadi, M., Ghasemi, H., Angiboust, S., Rezaei Kahkhaei, M., Minnaert-Thefo, C., (2024) Physicochemical conditions of crystallisation based on the composition of amphibole-Plagioclase pair in the Gowd-e-Howz (Siah-Kuh) granitoid, Baft, Kerman. *Petrological Journal* 14 (56): 1-26. <https://doi.org/10.22108/ijp.2024.139533.1311>
- 116- Arabzadeh Baniasadi, M., Ghasemi, H., Angiboust, S., Rezaei Kahkhaei, M., Lambrini, P. (2024) Application of clinopyroxene geothermobarometers on the rocks of gabbro/dioritic part of the Gowd-e-Howz (Siah-Kuh) granitoid stock, Baft, Kerman. *Scientific Quarterly Journal, GEOSCIENCES* 34(133): 117-134. <https://doi.org/10.22071/gsj.2024.445550.2136>. In Persian with English abstract.
- 117- Mobasheri, M., Arndt, N., Cordier, C., Sobolev, A., Ghasemi, H., and Garrido, C.J., (2024a) Upper Paleozoic Komatiites near Mashhad, NE Iran. *Geology*, <https://doi.org/10.1130/G52289.1>

Proceedings:

- 1- More than 200 conference Paper.

Book Publishing:

- 1- **Ghasemi H.** (2015) Petrography and Petrogenesis of Metamorphic Rocks: Volume 1: Essentials of Petrography and Study Methods. Shahrood University of Technology Publications. 566pp. In Persian.
- 2- **Ghasemi H.** (2015) Petrography and Petrogenesis of Metamorphic Rocks: Volume 2: Petrogenesis of Compositional Groups and Tectonic Settings of Metamorphic Event. Shahrood University of Technology Publications. In Press. In Persian.

Books, translated from English to Persian:

- 1- Kananian A., **Ghasemi H.**, Assiabanha A. (1994) An Introduction to Metamorphic Petrology (Yardley, 1989). Jahad Daneshgahi Publication (MAJED). 411pp.
- 2- **Ghasemi H.** (1999) Introduction to Metamorphic Textures and Microstructures (Barker, 1990). Shahrood University of Technology Publications. 260pp.
- 3- Valizadeh M.V., **Ghasemi H.**, Naraghi N., Sadeghian M. (1994) Principles of Isotope Geology (Faure, 1986). Shahrood University of Technology Publications. 836pp.

- 4- Lankarani M., **Ghasemi H.**, Homam S.M. (2010) Petrology of Sedimentary Rocks (Blatt, H., Tracy, R.J., Owens, B.E., 2006). Shahrood University of Technology Publications. 287pp.
- 5- **Ghasemi H.**, Lankarani M., Homam S.M. (2010) Petrology of Igneous Rocks (Blatt, H., Tracy, R.J., Owens, B.E., 2006). Shahrood University of Technology Publications. 556pp.
- 6- Homam S.M. **Ghasemi H.**, Lankarani M., (2010) Petrology of Metamorphic Rocks (Blatt, H., Tracy, R.J., Owens, B.E., 2006). Shahrood University of Technology Publications. 382pp.

Research Projects:

- 1- Study of Igneous and Metamorphic Petrology of Buin- Miandasht Area, Southeastern Aligoodarz, Iran. Grant, Tehran University, 1991-1992.
- 2- Geochemical and Genetical Consideration of Sedimentary Zeolites of Damghan Area, Iran. Grant, Tehran University 2001-2005.
- 3- Geology and Petrology of Metamorphic Complex, Southeast Biarjemand, East Shahrood, Iran. Grant, International University of Imam Khomani, Gazvin, Iran, 2001-2002.
- 4- Petrogenesis of Northwest Saveh Granitoids, Iran. Grant, Shahrood University of Technology, 2002-2003.
- 5- Petrogenesis and Radiometric age of Touye Darvar granitoid, southwest of Damghan, Iran. Grant 21022, Shahrood University of Technology, 2009-2010.
- 6- Study of quartz-tourmaline veins in Bagho Intrusion, South of Damghan, Iran. Grant, Shahrood University of Technology, 2009-2010.
- 7- Mineralogy and genesis of Barfake Zinc and Lead ore deposit. Grant. Shahrood University of Technology, 2009.
- 8- Study of Upper Precambrian-Lower Paleozoic magmatism and metamorphism in north and southeast Shahrood, Iran. Grant 90004893, Iran National Science Foundation, Presidential Office, 2012-214.

Taught Courses:

1-Undergraduate courses:

Physical Geology, Mineralogy, Petrology of Igneous Rocks, Petrology of Metamorphic Rocks, Geochemistry, Economic geology, Geology of Iran.

2-Graduate courses:

Essentials of Physical Geology, Mineralogy, Igneous Petrology, Metamorphic Petrology, Experimental Petrology, Geochemistry, Advanced Geochemistry, Isotope Geology, Magmatism and Metamorphism in Iran, Plate Tectonic and Minerallization.

3-Ph.D Courses:

Structure and physical properties of Magmas, Rare Earth Elements Geochemistry, petrology of Metamorphic Rocks. Petrogenesis of Iranian Metamorphic Complexes.

Thesis Supervised:

More than 45 **M.Sc.** Thesis and 7 **Ph.D.** Thesis.

Thesis Under Supervising:

3 **M.Sc.** Thesis and 4 **Ph.D.** Thesis.

Thesis Advised:

More than 20 **M.Sc.** Thesis and 8 **Ph.D.** Thesis.