

CURRICULUM VITAE

Majid Ghaderi

Date of Birth: 1966
Place of Birth: Tehran, Iran
Nationality: Iranian
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Languages: English, Persian
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2018- Professor of Economic Geology and Geochemistry
2012-2018 Associate Professor of Economic Geology and Geochemistry
2000-2012 Assistant Professor of Economic Geology and Geochemistry

ResearchGate (RG): <https://www.researchgate.net/profile/Majid-Ghaderi-2>
RG Research Interest Score: **3326** Citations: **2432** h-index: **25**
Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7003454307>
Documents: **77** Citations: **1920** h-index: **25**
Google Scholar: <https://scholar.google.com/citations?hl=en&pli=1&user=ZjsBzlAAAAAJ>
Citations: **2887** h-index: **28** i10-index: **52**
Web of Science ResearcherID: F-1262-2017
Web of Science: <https://www.webofscience.com/wos/author/record/487194>
Publications: **71** Citations: **1703** h-index: **23**
Verified reviews: **76** Editor records: **6**

Education

1998 Ph.D. (Australian National University (ANU), Canberra, Australia). Thesis title:
"Sources of Archaean gold mineralisation in the Kalgoorlie-Norseman region of
Western Australia, determined from strontium-neodymium isotopes and trace
elements in scheelite and host rocks"
1992 M.Sc. (Shahid Beheshti University, Tehran, Iran)
1989 B.Sc. (Shahid Beheshti University, Tehran, Iran)

Administrative and Editorial Responsibilities

2024- Dean of the Faculty and Deputy Dean of Administrative and Financial Affairs of the
Faculty of Basic Sciences, Tarbiat Modares University
2022- Review Editor, Frontiers in Geochemistry (Mineral Geochemistry section)
2020- Editorial Board, Journal of the Iranian Mining Engineering Organization
2019- Review Editor, Frontiers in Earth Science (Economic Geology section)
2019- Editorial Board, Scientific Quarterly Journal of Geosciences, Geological Survey and
Mineral Exploration of Iran
2014- Editorial Board, Kharazmi Journal of Earth Sciences, Kharazmi University
2014- Editorial Board, Journal of Economic Geology, Ferdowsi University of Mashhad
2006- Member of Geology Group, Iranian Academy of Persian Language and Literature
2006-2024 Deputy Dean of Administrative and Financial Affairs, Faculty of Basic Sciences,
Tarbiat Modares University
2005-2008, 2019-2023 Head of Economic Geology Group, Tarbiat Modares University
2010-2018 Board of Directors, Geological Society of Iran

2010-2014	Board of Directors, Iranian Society of Economic Geology
2005-2008	Head of Economic Geology Group, Tarbiat Modares University
2002-2005	Head of Computer Center, Faculty of Basic Sciences, Tarbiat Modares University

Membership of Scientific Societies:

Society of Economic Geologists (SEG)
 Geochemical Society (GS)
 Asia Oceania Geosciences Society (AOGS)
 Geological Society of Iran (GSOI)
 Iranian Society of Economic Geology (ISEG)
 Iranian Society of Crystallography and Mineralogy (ISCM)
 Iranian Society of Mining Engineering (ISME)

Referee for Journal Articles Submitted to:

Ore Geology Reviews
 International Geology Review
 Chemical Geology
 Journal of Geochemical Exploration
 Journal of Asian Earth Sciences
 Frontiers in Earth Science
 International Journal of Environmental Science and Technology
 Journal of African Earth Sciences
 Geological Journal
 Geofluids
 Geological Quarterly
 Neues Jahrbuch für Mineralogie - Abhandlungen
 Journal of Sciences of the Islamic Republic of Iran
 Geopersia
 Iranian Journal of Science and Technology
 Iranian International Journal of Science
 Scientific Quarterly Journal of Geosciences
 Quarterly Iranian Journal of Geology
 Journal of Economic Geology
 Iranian Journal of Crystallography and Mineralogy
 Kharazmi Journal of Earth Sciences

Courses Taught:

Exploration, Mining, and Environmental Impacts	PhD
Geochemistry of Hydrothermal Fluids	PhD
Geochemistry of Rare Earth and Trace Elements	PhD
Isotope Geochemistry of Ore Deposits	PhD
Ore Mineralization in Potassic Igneous Rocks	PhD
Stable Isotope Geochemistry	PhD
Advanced Geochemistry	MSc
Application of Isotopes in Economic Geology	MSc
Estimation and Evaluation of Ore Reserves	MSc
Exploration Geochemistry	MSc
Geochemistry of Hydrothermal Ore Deposits	MSc
Geochronology	MSc
Isotope Geology	MSc
Magmatic and Magmatic-Hydrothermal Ore Deposits	MSc
Methods of Geological Sample Analysis	MSc
Methods of Mining Sample Analysis	MSc
Principles of Geochemical Exploration	MSc
Economic Geology	BSc

Mineralography
Physical Geology
Subsurface Geology

BSc
BSc
BSc

Research Interests:

Economic Geology
Isotope and Trace Element Geochemistry
Exploration Geochemistry

PUBLICATIONS:

BOOKS:

Ghaderi, M., Yasami, N., Mousavi Motlagh, S.H., 2023. Epithermal Deposits of Iran. Tarbiat Modares University Publications, in Persian with English abstract, 2 vols., 862 p.
Ghaderi, M., Yasami, N., Boveiri-Konari, M., 2018 (1st ed.), 2021 (2nd ed.). Porphyry Copper Deposits of Iran. Tarbiat Modares University Publications, in Persian with English abstract, 670 p.

JOURNAL PAPERS:

*** ISI papers**

- * 137) Yousefi, M., Nezafati, N., Rashidnejad-Omran, N., Lotfi, M., Afzal, P., Ghaderi, M., 2027. Evolution of ore-forming fluids at the Hesar gold deposit, NW Iran: Constraints from fluid inclusions and stable isotopes (O,S). Iranian Journal of Earth Sciences 19(1)
- * 136) Kashani, H., Ghaderi, M., 2026. Magmatic-hydrothermal evolution of the Gorouh porphyry Cu-(Mo) deposit in the Kerman copper belt, southeastern Iran. Journal of the Geological Society 183(1), jgs2025-078, DOI: 10.1144/jgs2025-078
- * 135) Shirkhani, M., Ghaderi, M., Rashidnejad-Omran, N., 2025. Hyperspectral vs. multispectral remote sensing: ASTER and PRISMA performance in mapping IOA deposits in the Bafq mining district, Iran. Ore Geology Reviews, 106923, DOI: 10.1016/j.oregeorev.2025.106923
- * 134) Yasami, N., Mousavi Motlagh, S.H., Ghaderi, M., 2025. Stable isotope, fluid inclusion, and petrological-mineralogical features of epithermal deposits in the structural zones of Iran: A review. Ore Geology Reviews 186, 106851, DOI: 10.1016/j.oregeorev.2025.106851
- 133) Ahmadi, M., Ghaderi, M., Tajeddin, H., Harati, H., 2025. Geology, mineralogy, and study of fluid inclusions in the Saryazd Cu-Pb-Zn deposit, southeast Yazd. Journal of Advanced Applied Geology (JAAG), Shahid Chamran University of Ahvaz, Iran, in Persian with English extended abstract 15(3), 594–615, DOI: 10.22055/aag.2021.34764.2157
- * 132) Maghfouri, S., Rastad, E., Momenzadeh, M., Movahednia, M., Hashempour, S.S., Amini Jadehkenary, K., Ghaderi, M., Boveiri Konari, M., Izanloo, J., Yarmohammadi, A., Peernajmodin, H., Fadaei Shendi, M.J., Mohajjel, M., Aghamolaei, K., 2025. Malayer-Esfahan Metallogenic Belt, Iran: Jurassic-Early Cretaceous sediment-(volcanic) hosted Zn-Pb ($\pm$ Ba $\pm$ Ag), Fe-Mn-Pb ($\pm$ Ba $\pm$ Cu) and Ba ($\pm$ Pb $\pm$ Zn) deposits with evolution of basin. Journal of the Geological Society 182(6), jgs2024-28, DOI: 10.1144/jgs2024-28
- * 131) Chen, Y., Li, H., Jiang, W., Ghaderi, M., Maulana, A., Ouyang, L., Liu, K., 2025. Genesis of the Langwashan Fe deposit, NW China: Constraints from pyrite and magnetite geochemistry, and in-situ Rb-Sr dating. Geochemistry 85(3), 126284, DOI: 10.1016/j.chemer.2025.126284
- * 130) Guan, A., Li, H., Ghaderi, M., Cao, H., Gao, Sh., Ouyang, P., Wang, Q., Zhang, D., Mao, Y., 2025. Ore-controlling structures of granite-related uranium deposits in South China: A review. Open Geosciences 17(1), 20250871, DOI: 10.1515/geo-2025-0871
- 129) Arab-Zozani, D., Tajeddin, H., Ghaderi, M., 2025. Geology, mineralogy, geochemistry, and fluid inclusion study of the West of Golestanabad iron oxide-apatite deposit, northeast of Zanjan. Quarterly Iranian Journal of Geology 19(73), 23–45, in Persian with English abstract.

- * 128) Phyto, A.P., Li, H., Hu, X.J., Ghaderi, M., Myint, A.Z., Faisal, M., 2025. Geology, geochemistry, and zircon U-Pb geochronology of the Nanthila and Pedet granites in the Myeik Sn-W district, Tanintharyi region, southern Myanmar. *Ore Geology Reviews* 178, 106488, DOI: 10.1016/j.oregeorev.2025.106488
- * 127) Luo, Z., Li, H., Ghaderi, M., Zhu, D., Jiang, W., Wu, J., 2025. A review of W and Sn isotopes and insights into their emerging applications in ore deposit geology. *International Geology Review* 67(3), 381–404, DOI: 10.1080/00206814.2024.2392255
- * 126) Zhou, Z., Li, H., Li, X., Ghaderi, M., Hou, Y., Wang, R., 2024. Genesis of gold mineralization in southwestern Hunan, South China: Evidence from ore-hosted zircon geochronology and geochemistry. *Ore Geology Reviews* 175, 106340, DOI: 10.1016/j.oregeorev.2024.106340
- 125) Shahabinejad, A., Tajeddin, H., Ghaderi, M., 2024. Petrography and geochemistry of volcanic rocks from the Siahouki Cu-Au prospect area: An example of deposits associated with shoshonitic host rocks from north of Bam. *Petrological Journal, University of Isfahan* 15(3), Serial no. 59, 89–112, in Persian with English extended abstract, DOI: 10.22108/ijp.2024.141708.1335
- * 124) Fazli, N., Ghaderi, M., Tajeddin, H., Movahednia, M., 2024. Genesis of the Hajibolagh-Zalibolagh Cu-(Ag) intermediate-sulfidation epithermal deposit, Urumieh-Dokhtar magmatic arc, Iran: Evidence from ore geology, fluid inclusions, and stable isotopes. *Ore Geology Reviews* 169, 106086, DOI: 10.1016/j.oregeorev.2024.106086
- * 123) Moradiani, Z., Ghaderi, M., Tajeddin, H., Alfonso, P., 2024. Genesis of the Mahour base metal deposit, Iran: Constraints from fluid inclusions and sulfur isotopes. *Minerals* 14(4), 435, DOI: 10.3390/min14040435
- * 122) Mousavi Motlagh, S.H., Ghaderi, M., Yasami, N., González, F.J., 2024. Trace and minor elements in the ore minerals: An assessment of geochemical distribution in overprinting epithermal on porphyry mineralization at Chodarchay, NW Iran. *Ore Geology Reviews* 168, 106015, DOI: 10.1016/j.oregeorev.2024.106015
- * 121) Madayipu, N., Li, H., Elatikpo, S.M., Ghaderi, M., Heritier, R.N., Hu, X.J., Zheng, H., Wu, Q.H., 2024. Tracing fluid exsolution and hydrothermal alteration signature of the Mufushan Nb-Ta-(Li-Be-Cs) deposit, South China: An apatite perspective. *Journal of the Geological Society* 181(3), jgs2023-087, DOI: 10.1144/jgs2023-087
- * 120) Ouyang, L., Zhou, J., Li, H., Ghaderi, M., Sun, W., Xie, Y., Li, X., 2024. Process mineralogy of lithium and rubidium in the Diantan polymetallic mining area, Tengchong, southwest China. *Minerals* 14(4), 369, DOI: 10.3390/min14040369
- * 119) Chen, Y., Li, H., Halassane, N., Ghaderi, M., Gu, S., Wang, Y., Li, D.D., 2024. Pyrite geochemistry reveals the key controlling factors of large gold deposit formation in Jiaodong Peninsula: A comparative study. *Ore Geology Reviews* 165, 105934, DOI: 10.1016/j.oregeorev.2024.105934
- * 118) Oyman, T., Zaw, K., Ghaderi, M., Lai, C.-K., 2024. Editorial: Orogenic gold deposits. *Frontiers in Earth Science* 11, 1345511, DOI: 10.3389/feart.2023.1345511
- * 117) Mohammaddoost, H., Ghaderi, M., Kumar, T. Vijaya, Hassanzadeh, J., Alirezaei, S., Babu, E.V.S.S.K., 2023. Geology, mineralization, zircon U-Pb geochronology and Hf isotopes of Serenu porphyry copper prospect, Kerman Cenozoic magmatic arc, southeastern Iran. *Ore Geology Reviews* 159, 105540, DOI: 10.1016/j.oregeorev.2023.105540
- * 116) Madayipu, N., Li, H., Ghaderi, M., Tamehe, L.S., Zhou, H.X., Wu, Q.H., Zheng, H., Chen, Y.L., Kang, F., 2023. Contrasting Nb-Ta mineralization between the Mufushan and Lianyunshan granites, South China: Evidence from whole-rock and zircon geochemistry and geochronology. *Ore Geology Reviews* 158, 105487, DOI: 10.1016/j.oregeorev.2023.105487
- * 115) Zhou, Z., Li, H., Zhu, H., Ghaderi, M., Ouyang, L., 2023. Geochronology and geochemistry of ore-hosted zircon reveal the genesis of typical Sb-(Au-W) deposits in South China. *Ore Geology Reviews* 155, 105358, DOI: 10.1016/j.oregeorev.2023.105358
- 114) Firouzbakht, M., Ghaderi, M., Tajeddin, H., 2023. Lithology and tectonomagmatic setting of volcanic and plutonic rocks from the Lak area, southwest Buin Zahra, NW Iran. *Petrological Journal, University of Isfahan* 13(4), Serial no. 52, 127–146, in Persian with English extended abstract, DOI: 10.22108/ijp.2023.133697.1278
- 113) Yasami, N., Ghaderi, M., Mousavi Motlagh, S.H., Mokhtari, M.A.A., 2022. Application of mineral chemistry in determining magma fertility of the Tarom northern and southern intrusions, NW Iran. *Iranian Journal of Earth Sciences* 14(4), 285–300, DOI: 10.30495/ijes.2021.685392

- * 112) Movahednia, M., Maghfouri, S., Fazli, N., Rastad, E., Ghaderi, M., González, F.J., 2022. Metallogeny of Manto-type Cu-(Ag) mineralization in Iran: Relationship with Neo-Tethyan evolution and implications for future exploration. *Ore Geology Reviews* 149, 105064, DOI: 10.1016/j.oregeorev.2022.105064
- * 111) Izanloo, J., Maghfouri, S., Rastad, E., Ghaderi, M., 2022. Geological, fluid inclusion microthermometry and geochemical constraints on the ankeritic-sideritic iron deposits in the Delijan mining district, Malayer-Esfahan metallogenic belt, Iran. *Ore Geology Reviews* 145, 104910, DOI: 10.1016/j.oregeorev.2022.104910
- * 110) Fazli, N., Ghaderi, M., Movahednia, M., Li, J.W., Lentz, D.R., Yan, S., 2022. Geology and genesis of the North Narbaghi Cu-Ag deposit in the Urumieh-Dokhtar magmatic arc, Iran: Fluid inclusion and stable isotope constraints. *Ore Geology Reviews* 144, 104801, DOI: 10.1016/j.oregeorev.2022.104801
- * 109) Heidari, S.M., Afzal, P., Ghaderi, M., Sadeghi, B., 2021. Detection of mineralization stages using zonality and multifractal modeling based on geological and geochemical data in the Au-(Cu) intrusion-related Gouzal-Bolagh deposit, NW Iran. *Ore Geology Reviews* 139, 104561, DOI: 10.1016/j.oregeorev.2021.104561
- 108) Jiba, Z., Ghaderi, M., Maghfouri, S., 2021. Geology, mineralogy and fluid inclusion studies of the Yamaghan Manto-type Cu(Ag) deposit, southeast Zanjan, NW Iran. *Journal of Advanced Applied Geology (JAAG)*, Shahid Chamran University of Ahvaz, Iran, in Persian with English extended abstract 11(3), no. 41, 594–615, DOI: 10.22055/aag.2021.34764.2157
- 107) Fazli, N., Ghaderi, M., Movahednia, M., Maghfouri, S., 2021. Manto-type copper mineralization in the central part of the Urumieh-Dokhtar magmatic arc (Qom-Saveh region) with emphasis on the East Narbaghi deposit, northeast Saveh. *Quarterly Iranian Journal of Geology* 15(59), 69–90, in Persian with English abstract.
- * 106) Mousavi Motlagh, S.H., Ghaderi, M., Yasami, N., 2021. Porphyry-type mineralization associated with epithermal deposits in the Tarom metallogenic belt of NW Iran: Constraints from fluid inclusions. *Journal of Geochemical Exploration* 223, 106724, DOI: 10.1016/j.gexplo.2021.106724
- 105) Shahbazi, S., Ghaderi, M., Afzal, P., 2021. Prognosis of gold mineralization phases by multifractal modeling in the Zehabad epithermal deposit, NW Iran. *Iranian Journal of Earth Sciences* 13(1), 31–40, DOI: 10.30495/ijes.2021.678957
- * 104) Kouhestani, H., Ghaderi, M., Afzal, P., Zaw, K., 2020. Classification of pyrite types using fractal and stepwise factor analyses in the Chah Zard gold-silver epithermal deposit, central Iran. *Geochemistry: Exploration, Environment, Analysis* 20(4), 496–508, DOI: 10.1144/geochem2020-031
- 103) Ghavi, J., Karimpour, M.H., Mazaheri, S.A., Ghaderi, M., Rahimi, B., 2020. Geology, petrology, geochemistry and geochronology of Tarik Darreh plutonic rocks, northeastern Iran. *Journal of Economic Geology*, in Persian with English extended abstract 12(2), 203–225, DOI: 10.22067/econg.v12i2.69021
- * 102) Khaksar, T., Rashidnejad-Omran, N., Chen, F., Song, Sh.-G., Li, Sh.-Q., Ghaderi, M., 2020. Zircon U-Pb ages and magmatic history of the Kashan plutons in the central Urumieh-Dokhtar magmatic arc, Iran: Evidence for Neotethyan subduction during the Paleogene-Neogene. *Journal of Earth Science* 31(1), 53–68, DOI: 10.1007/s12583-020-1258-1
- * 101) Mousavi Motlagh, S.H., Ghaderi, M., Mokhtari, M.A.A., Yasami, N., 2019. Geochemical constraints on the origin and tectonic setting of Chargar intrusions in the Alborz orogenic belt, NW Iran. *Journal of Earth System Science* 128(8), 224, DOI: 10.1007/s12040-019-1251-1
- * 100) Shahbazi, S., Ghaderi, M., Alfonso, P., 2019. Mineralogy, alteration and sulfur isotope geochemistry of the Zehabad intermediate-sulfidation epithermal deposit, NW Iran. *Turkish Journal of Earth Sciences* 28(6), 882–901, DOI: 10.3906/yer-1902-1
- * 99) Mousavi Motlagh, S.H., Ghaderi, M., Yasami, N., Alfonso, P., 2019. Stable isotope geochemistry of Chargar epithermal deposit: Constraints on epithermal systems in the Tarom metallogenic belt, NW Iran. *Journal of Geochemical Exploration* 205, 106331, DOI: 10.1016/j.gexplo.2019.06.013
- 98) Samiee, S., Ghaderi, M., Zirjanizadeh, S., 2019. Geochemistry, fluid inclusion and sulfur isotopes studies of hydrothermal breccia gold mineralization in the Khunik area, Khorasan Jonoubi province Iran). *Journal of Economic Geology*, in Persian with English extended abstract 11(3), 473–495, DOI: 10.22067/econg.v11i3.71480
- 97) Kaboodi, Z., Ghaderi, M., Rastad, E., 2019. Mineralogy, texture and structure and genetic model of Kahak Manto-type copper deposit in the Eocene volcano-sedimentary sequence, south Qom. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 29, no. 113, 145–154, DOI: 10.22071/gsj.2018.99677.1273

- * 96) Yasami, N., Ghaderi, M., Taghilou, B., 2019. Heavy metal assessment in stream sediments from the rivers passing through the mining area. *International Journal of Environmental Science and Technology* 16(8): 4355–4374, DOI: 10.1007/s13762-018-1840-6**
- 95) Fazli, N., Ghaderi, M., Lentz, D., Li, J.W., 2019. Geology, alteration, mineralization and geochemistry of the North Narbaghi epithermal Ag-Cu deposit, northeast Saveh. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 28, no. 112, 13–22, DOI: 10.22071/gsj.2018.97142.1246
- * 94) Mousavi Motlagh, S.H., Ghaderi, M., 2019. The Chargar Au-Cu deposit: an example of low-sulfidation epithermal mineralization from the Tarom subzone, NW Iran. *Neues Jahrbuch für Mineralogie (Journal of Mineralogy and Geochemistry)* 196(1), 43–66, DOI: 10.1127/njma/2019/0158**
- 93) Rahmatian, M., Lotfi, M., Ghaderi, M., 2019. Geochemistry of Joun Abad manganese deposit, north Khash, Sistan and Baluchestan province. *Journal of Economic Geology*, in Persian with English extended abstract 11(1), 81–103, DOI: 10.22067/econg.v11i1.52594
- 92) Badfar, M., Jannesary, M.R., Hosseinzadeh, R., Ghaderi, M., 2019. Geochemical- heavy mineral exploration and determination of promising ore-bearing areas in the Qare-Naz 1:50,000 sheet, Zanjan province. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 28, no. 111, 121–132, DOI: 10.22071/gsj.2019.88157
- * 91) Yasami, N., Ghaderi, M., 2019. Distribution of alteration, mineralization and fluid inclusion features in porphyry – high sulfidation epithermal systems: The Chodarchay example, NW Iran. *Ore Geology Reviews* 104, 227–245, DOI: 10.1016/j.oregeorev.2018.11.006**
- * 90) Yasami, N., Ghaderi, M., Mokhtari, M.A.A., Mousavi Motlagh, S.H., 2018. Petrogenesis of the two phases of intrusive rocks at Chodarchay, NW Iran: using trace and rare earth elements, NW Iran. *Arabian Journal of Geosciences* 11(20), 605, DOI: 10.1007/s12517-018-3942-3**
- 89) Mohammadzadeh, Z., Ghaderi, M., Alirezaei, S., Hassanzadeh, J., 2018. Geology, hydrothermal alteration and mineralization at Razi Abad porphyry copper deposit in the south of Kerman copper belt, southeastern Iran. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 28, no. 109, 175–186, DOI: 10.22071/gsj.2018.80135
- 88) Khodabandelo, Z., Ghaderi, M., Rastad, E., 2018. Mineralogy, texture and structure, and formation stages of the Golijeh intermediate-sulfidation epithermal deposit in Tarom subzone of western Alborz – Azerbaijan zone. *Journal of Advanced Applied Geology (JAAG)*, Shahid Chamran University of Ahvaz, Iran, in Persian with English extended abstract 8(2), no. 28, 9–20, DOI: 10.22055/aag.2018.24286.1802
- * 87) Yasami, N., Ghaderi, M., Alfonso, P., 2018. Sulfur isotope geochemistry of the Chodarchay Cu-Au deposit, Tarom, NW Iran. *Neues Jahrbuch für Mineralogie (Journal of Mineralogy and Geochemistry)* 195(2), 101–113, DOI: 10.1127/njma/2018/0097**
- 86) Mohammaddoost, H., Ghaderi, M., Hassanzadeh, J., 2018. Sulfur isotope variations of sulfide minerals in porphyry systems of the Meiduk cluster, Kerman Cenozoic magmatic arc, southeastern Iran. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 27, no. 107, 3–16, DOI: 10.22071/gsj.2017.75379.1019
- * 85) Kouhestani, H., Ghaderi, M., Emami, M.H., Meffre, S., Kamenetsky, V., McPhie, J., Zaw, K., Nasiri Bezenjani, R., 2018. Compositional characteristics and geodynamic significance of late Miocene volcanic rocks associated with the Chah Zard epithermal gold-silver deposit, SW Yazd, Iran. *Island Arc* 27(1), e12223, DOI: 10.1111/iar.12223**
- * 84) Afzal, P., Heidari, S.M., Ghaderi, M., Yasrebi, A.B., 2017. Determination of mineralization stages using correlation between geochemical fractal modeling and geological data in Arabshah sedimentary rock-hosted epithermal gold deposit, NW Iran. *Ore Geology Reviews* 91, 278–295, DOI: 10.1016/j.oregeorev.2017.09.021.**
- 83) Heidari, S.M., Ghaderi, M., Kouhestani, H., 2017. Sediment-hosted epithermal gold mineralization at Arabshah, SE Takab, NW Iran. *Scientific Quarterly Journal of Geosciences, Geol. Min. Expl. Surv. Iran*, in Persian with English abstract 27, no. 105, 265–282, DOI: 10.22071/gsj.2017.53971
- * 82) Mohammaddoost, H., Ghaderi, M., Kumar, T. Vijaya, Hassanzadeh, J., Alirezaei, S., Stein, H.J., Babu, E.V.S.S.K., 2017. Zircon U–Pb and molybdenite Re–Os geochronology, with S isotopic composition of sulfides from the Chah-Firouzeh porphyry Cu deposit, Kerman Cenozoic arc, SE Iran. *Ore Geology Reviews* 88, 384–399, DOI: 10.1016/j.oregeorev.2017.05.023**
- * 81) Deevsalar, R., Shinjo, R., Ghaderi, M., Murata, M., Hoskin, P.W.O., Oshiro, S., Wang, K.L., Lee, H.Y., Neill, I., 2017. Mesozoic–Cenozoic mafic magmatism in Sanandaj–Sirjan zone, Zagros orogen (western Iran):**

- Geochemical and isotopic inferences from middle Jurassic and late Eocene gabbros. *Lithos* 284-285, 588–607, DOI: 10.1016/j.lithos.2017.05.009**
- * 80) Hosseini, M.R., Ghaderi, M., Alirezaei, S., Sun, W., 2017. Geological characteristics and geochronology of the Takht-e-Gonbad copper deposit, SE Iran: a variant of porphyry type deposits. *Ore Geology Reviews* 86, 440–458, DOI: 10.1016/j.oregeorev.2017.03.003**
 - * 79) Yasami, N., Ghaderi, M., Madanipour, S., Taghilou, B., 2017. Structural control on overprinting high-sulfidation epithermal on porphyry mineralization in the Chodarchay deposit, northwestern Iran. *Ore Geology Reviews* 86, 212–224, DOI: 10.1016/j.oregeorev.2017.01.028**
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Supervised students:

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|---------------------------|---|
| 56) N. Fazli | Geology, geochemistry, origin and controlling factors on ore mineralization in the Hajibolagh-Zalibolagh Cu-(Ag) deposit, northeast of Saveh (PhD, June 2025, Tarbiat Modares University) |
| 55) S. Sehati Gharamaleki | Geochemistry, alteration and fluid inclusions of the Golestanabad iron deposit, east Zanjan (MSc, Jan. 2024, Tarbiat Modares University) |
| 54) S.Z. Vaghefi | Linkage between alteration facies and mineralization in the Zaker and Eskand iron deposits, east Zanjan (MSc, Jan. 2024, Tarbiat Modares University) |
| 53) E. Ghaffari | Geology, mineralogy, geochemistry, fluid inclusions, and genesis of Hefdahchenar copper deposit, NE Pariz (MSc, Sep. 2021, Tarbiat Modares University) |
| 52) Z. Moradiani | Geology, mineralogy, geochemistry, and genesis of the Mahour base metal deposit, NE Badroud (MSc, Sep. 2021, Tarbiat Modares University) |
| 51) M. Firouzbakht | Geology, mineralogy, geochemistry, and genesis of the Lak polymetallic (Pb-Zn-Ag-Au-Cu) deposit, southwest Buin Zahra (MSc, March 2021, Tarbiat Modares University) |
| 50) S. Shahbazi | Geochemistry and genesis of Zehabad Pb-Zn-Au-Ag-Cu polymetallic deposit in NW Iran (PhD, Sep. 2020, Tarbiat Modares University) |
| 49) T. Davoodi | Geology, mineralogy, geochemistry and genesis of Arasoo iron deposit, northwest Qazvin (MSc, Sep. 2019, Tarbiat Modares University) |
| 48) Z. Jiba | Geology, mineralogy, geochemistry and genesis of Yamaghan copper deposit, southeast Zanjan (MSc, June 2019, Tarbiat Modares University) |
| 47) S.H. Mousavi Motlagh | Geochemistry, genesis and controlling factors of ore formation and concentration at Chargar gold-copper deposit, Tarom subzone, southeast Zanjan (PhD, June 2019, Tarbiat Modares University) |
| 46) N. Yasami | Geology, alteration, geochemistry, and genesis of Chodarchay Cu deposit, Tarom subzone, east Zanjan (PhD, March 2018, Tarbiat Modares University) |
| 45) Z. Khodabandeloo | Geology, mineralogy, geochemistry, and genesis of Gelijeh Cu (Zn-Pb-Ag) deposit, NE Zanjan, Tarom subzone (MSc, Feb. 2018, Tarbiat Modares University) |
| 44) Z. Kaboodi | Geology, mineralogy, geochemistry, and genesis of Kahak Cu deposit, south Qom (MSc, Nov. 2017, Tarbiat Modares University) |
| 43) H. Mohammaddoost | Study of geochemical and isotopic characteristics of mineralizing hydrothermal fluids on productive and barren porphyry systems in Meiduk cluster, Kerman porphyry copper belt (PhD, June 2017, Tarbiat Modares University) |
| 42) Z. Mohammadzadeh | Genetic modeling of Raziabad porphyry copper system in Jebal Barez, north of Jiroft and implication of geology, petrology, dating, isotope geochemistry and fluid inclusions to exploration (PhD, June 2017, Tarbiat Modares University) |
| 41) N. Mazhari | Geology, mineralization, geochemistry, geochronology and isotope studies and their compilation with geophysical data in eastern anomalies of Sangan mine, Khaf, Khorasan Razavi province (PhD, Sep. 2016, Ferdowsi University of Mashhad) |
| 40) A. Baharvandi | Geology, ore mineralogy and genesis of Shekar-Beig barite-copper deposit, southwest of Mahabad, NW Iran (PhD, Feb. 2016, Islamic Azad University, Science and Research Branch) |
| 39) S. Samiee | Mineralization, petrology and geophysical studies in Khunik area, south of Birjand (PhD, Jan. 2016, Ferdowsi University of Mashhad) |
| 38) N. Fazli | Geology, mineralogy, geochemistry, and genesis of North Narbaghi epithermal deposit, NE Saveh (MSc, Sep. 2015, Tarbiat Modares University) |
| 37) M.R. Kahrazehi | Structural-chemical controlling processes on manganese ore deposits around the Taftan ring structure, north of Khash (PhD, Feb. 2015, Islamic Azad University, North Tehran Branch) |
| 36) A. Eslami | Mineralogy, geochemistry and genesis of chromite and platinum group minerals at Cheshmeh-Bid chromite deposit, Neyriz ophiolite (MSc, Feb. 2015, Tarbiat Modares University) |
| 35) R. Deevsalar | Geochemistry, petrology and tectono-magmatic evolution of the mafic rocks from Malayer-Boroujerd plutonic complex, western Iran (PhD, Jan. 2015, Tarbiat Modares University) |
| 34) S.M. Heidari | Geology, geochronology and source of Touzlar, Arabshah and Gozalbolagh gold occurrences in Qorveh-Takab region (PhD, Sep. 2013, Tarbiat Modares University) |

- 33) G. Nabatian Geology, geochemistry and evolution of iron oxide-apatite deposits in Tarom volcanoplutonic belt, western Alborz (PhD, Sep. 2012, Tarbiat Modares University)
- 32) H. Kashani Mineralogical, geochemical and fluid inclusion studies on Gorouh and Sinbabad copper prospects, south of Kerman (MSc, July 2012, Tarbiat Modares University)
- 31) M.R. Hosseini Mineralogy, geochemistry, fluid inclusions of Takht-e-Gonbad copper deposit, northeast Sirjan (MSc, July 2012, Tarbiat Modares University)
- 30) H. Kouhestani Geology, alteration, isotope geochemistry and origin of Chah Zard Ag-Au deposit, SW Yazd (PhD, Sep. 2011, Tarbiat Modares University)
- 29) M.E. Moslempour Petrological, geochemical and structural studies on Fannuj ophiolitic complex, southwest of Iranshahr, Sistan-va-Balouchestan province (PhD, Sep. 2011, Islamic Azad University, Science and Research Branch)
- 28) M. Salehian Mineralogical, geochemical and fluid inclusion studies on Daralu porphyry copper deposit, south of Kerman (MSc, Nov. 2010, Tarbiat Modares University)
- 27) S. Shahbazi Mineralogy, geochemistry and genesis of Bashkand iron deposit, southwest of Soltanieh (MSc, Oct. 2010, Tarbiat Modares University)
- 26) H. Mohammaddoost Mineralogy, geochemistry and genesis of Qamsar cobalt deposit, south of Kashan (MSc, Sep. 2010, Tarbiat Modares University)
- 25) M.S. Mazhari Mineralogy, geochemistry, and genesis of Ali-Abad – Morvarid apatite-bearing iron deposit, southeast of Zanjan (MSc, July 2010, Tarbiat Modares University)
- 24) Gh. Rostami Geology, geochemistry and origin of iron mineralization in Baba-Ali and Galali deposits, northwest of Hamedan (PhD, Sep. 2010, Islamic Azad University, Science and Research Branch)
- 23) S.M. Mortazavi Petrogenetic and geochemical studies of granitoidic rocks in relation to mineralization in Nowchun copper deposit (PhD, Sep. 2010, Islamic Azad University, Science and Research Branch)
- 22) T. Jafari Mineralogy, geochemistry and genesis of Amirnan barite (Pb) deposit, northwest Taleghan (MSc, March 2009, Tarbiat Modares University)
- 21) T. Salehi Mineralogy, geochemistry and genesis of Gomish-tappeh Zn-Pb (Ag) deposit, southwest of Zanjan (MSc, March 2009, Tarbiat Modares University)
- 20) S. Taki Petrology of Deylaman igneous rocks in Central Alborz (PhD, Feb. 2009, Islamic Azad University, Science and Research Branch)
- 19) Gh. Nabatian Mineralogy, geochemistry and genesis of the Sorkheh-Dizaj iron-apatite deposit, southeast Zanjan (MSc, Sep. 2008, Tarbiat Modares University)
- 18) H. Vatanpour Mineralogy, geochemistry and structure of chromite deposits in the northwest Sabzevar and introducing an exploration model (PhD, June 2008, Shahid Beheshti University)
- 17) V. Akbarizadeh Geochemical exploration for gold and associated elements in Tanguyeh area, northeast Sirjan (MSc, Feb. 2008, Islamic Azad University)
- 16) M. Abdi Lithogeochemistry and genesis of mineralization at Deh-Hosseini and Nezam-abad W-Sn (Cu) deposits and comparison with Bamsar deposit, SW Shazand, Arak (MSc, July 2007, Tarbiat Modares University)
- 15) M. Shirkhani Mineralogy, geochemistry and genesis of Pb, Zn and associated elements at AyQalesi deposit, SE Takab (MSc, July 2007, Tarbiat Modares University)
- 14) M. Pirouzi Geology, facies analysis, geochemistry, and genesis of Kamar-Mehdi fluorite (Pb-Ba) deposits in Shotori Formation, SW Tabas (MSc, July 2007, Tarbiat Modares University)
- 13) E. Ansari Mineralogy, geochemistry and genesis of Zan bauxite deposit, SE Damavand (MSc, Oct. 2006, Islamic Azad University, North Tehran Branch)
- 12) M. Behzadi Mineralogy, geochemistry, and genesis of Northern Anomaly iron deposit located in Bafq area, Yazd (PhD, Sep. 2006, Shahid Beheshti University)
- 11) Kh. Jamali Genesis and economic potential of Dehsalm spotted schists, SW Nehbandan (MSc, Sep. 2006, Islamic Azad University, North Tehran Branch)
- 10) P. Piroozfar Mineralogy, geochemistry, and genesis of Panjkuh Fe deposit, SE Damghan (MSc, May 2006, Tarbiat Modares University)
- 9) M. Talebi Lithogeochemistry, alteration and fluid inclusion studies of Iju porphyry Cu deposit, NW Shahr-e-Babak (MSc, Dec. 2005, Tarbiat Modares University)
- 8) E. Zeinadini Lithogeochemistry, alteration and fluid inclusion studies of Serenu porphyry Cu occurrence, NW Shahr-e-Babak (MSc, Dec. 2005, Tarbiat Modares University)
- 7) P. Azizi Mineralogy, geochemistry and genesis of Namar Zn-Pb deposit, SW Amol (MSc, July 2005, Tarbiat Modares University)
- 6) K. Motevali Mineralogy, geochemistry and genesis of Khosro-abad and Tekieh-bala Fe deposits in NE Songhor (MSc, June 2005, Tarbiat Modares University)
- 5) A. Ghiasvand Mineralogy, geochemistry, and genesis of iron deposits north of Semnan (MSc, June 2005, Tarbiat Modares University)
- 4) H. Tavakkoli Mineralogy, geochemistry and genesis of Fe deposits, NW Hamedan (MSc, June 2004, Tarbiat Modares University)
- 3) Z. Fardindoost Isotope geochemistry and trace elements of W (Cu-Sn) deposits, SW Astaneh, Arak (MSc, March 2004, Tarbiat Modares University)

- 2) A. Narimani Structure, texture, and paragenesis of Chelpo-Kalatechoubak (Kouhsorkh) Sb-As-Au deposit, Kashmar and its controlling factors of formation and concentration (MSc, Oct. 2001, Tarbiat Modares University)
- 1) M. Azizpour Geochemistry, mineralogy, and genesis of Bamsar skarn and Revesht vein-type W occurrences and their comparison with Nezam-abad W deposit (Shazand, Arak) (MSc, March 2000, Tarbiat Modares University)

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- 32) G.M. Nasri Naghdali Geology, mineralogy, geochemistry, and genesis of the Divalan iron deposit, north of Sardasht (MSc, Feb. 2025, Tarbiat Modares University)
- 31) M. Afshoon Geology, mineralogy, geochemistry, and genesis of Dahaneye Gomrokan copper deposit, east Jiroft (MSc, Sep. 2024, Tarbiat Modares University)
- 30) D. Arab Geology, mineralogy, geochemistry, and genesis of Golestan-Abad iron deposit, NE Zanjan (MSc, March 2021, Tarbiat Modares University)
- 29) J. Izanloo Geology, geochemistry and genesis of Fe-Ba deposits of NW Delijan in the Lower Cretaceous detrital-carbonate sequence (MSc, Feb. 2018, Tarbiat Modares University)
- 28) M.J. Fadaei Shandi Geology, geochemistry, and mineralization type of Pb, Zn (Ba-Ag) in Lower Cretaceous volcano-sedimentary sequence, NW Golpayegan (Darrehnoghreh and Babasheikh deposits) (MSc, Jan. 2018, Tarbiat Modares University)
- 27) Z. Yarali Geochemistry and petrology of mafic-intermediate intrusions in Qamsar mining district of Kashan (MSc, June 2016, Tarbiat Modares University)
- 26) M. Alian Petrology and geochemistry of Neogene subvolcanic domes in southwest Kashan (MSc, June 2016, Tarbiat Modares University)
- 25) M. Alimohammadi Alteration-mineralization, source and evolution of source fluids and assessment of the factors controlling productivity at Sarmeshk porphyry copper deposit, south Kerman, to compare with other porphyry copper deposits in Kerman belt (PhD, Dec. 2015, Shahid Beheshti University)
- 24) M. Eskandarnejad Delineation of Cu and Mo mineralized zones using C-V fractal modelling and staged factor analysis at Takht-e-Gonbad porphyry deposit, NE Sirjan (MSc, Feb. 2015, Islamic Azad University, South Tehran Branch)
- 23) A. Najafi Geology, Mineralization, alteration, geochemistry, micro-thermometry, isotope study and genesis of Kajeh prospecting area (PhD, Jan. 2015, Ferdowsi University of Mashhad)
- 22) M. Badfar Geochemical exploration-heavy mineral in regional scale and study of mineralized zones in Qarenaz 1:50,000 sheet, Zanjan province (MSc, Apr. 2014, Research Institute for Earth Sciences)
- 21) F. Aghajari Petrogenesis of alkaline and sub-alkaline from southwest Shahrab (Ardestan) (MSc, Feb. 2014, Tarbiat Modares University)
- 20) M.M. Zand Structural and ore controls based on fluid inclusion studies, and mineral exploration at Keel – Koushk area in Bafgh metallogenic subzone, Yazd province, Central Iran (MSc, Sep. 2013, Islamic Azad University, Science and Research Branch)
- 19) M. Mizan Source of fluid and metal, and ore genesis in Chahar-Gonbad copper deposit, southern Iran (MSc, Sep. 2013, Shahid Beheshti University)
- 18) H. Yeganehfar Origin and evolution of basic volcanism in west Nain (PhD, Dec. 2012, Tarbiat Modares University)
- 17) F. Aghabazzaz Petrogenesis of calc-alkaline and adakitic volcanic rocks in north Firouzeh, west Neyshabour (MSc, May 2012, Tarbiat Modares University)
- 16) P. Ahmadi Origin of Tertiary alkaline volcanism in the north of Firouzeh, west of Neyshabour (MSc, Apr. 2012, Tarbiat Modares University)
- 15) S. Afzali Geology, mineralogy, alteration, and genetic model of Gazestan iron-apatite and REE deposit in the Bafq district of Yazd (PhD, Sep. 2011, Islamic Azad University, Science and Research Branch)
- 14) M. Nasiri Petrogenesis of Tertiary felsic volcanic rocks from northwest Kashan (MSc, May 2011, Tarbiat Modares University)
- 13) H. Veiskarami Metamorphic petrology of skarns in Avarzaman area, west of Malayer (MSc, March 2011, Tarbiat Modares University)
- 12) E. Amanati Geochemistry of felsic volcanic rocks in the southwest of Nadushan, west of Yazd (MSc, Jan. 2011, Tarbiat Modares University)
- 11) Sh. Ansari Petrology and geochemistry of granitoids in the east-northeast of Tafresh (PhD, Sep. 2010, Islamic Azad University, Science and Research Branch)
- 10) D. Amoozad Geochemistry and petrology of felsic-intermediate rocks from southwest of Shahrab, Ardestan (MSc, July 2009, Tarbiat Modares University)
- 9) A. Ahmadvand Geochemistry and petrology of mafic rocks from southwest of Shahrab, Ardestan (MSc, March 2009, Tarbiat Modares University)
- 8) A. Jafarian Petrology and geochemistry of Lower Paleozoic magmatism in the east of Alborz, Shahrood-Khosheylaq area (PhD, Feb. 2009, Islamic Azad University, Science and Research Branch)

- 7) V. Azimi Study of mineralization and alteration controlling factors in the north of Meiduk mining area (Latala) based on geochemical, heavy mineral and geological data, north of Shahr-e-Babak, Kerman Province (MSc, Mar. 2008, Research Institute for Earth Sciences)
- 6) V. Rastin Study of genetic controls based on isotope geochemistry in relation to geological processes for Pb-Zn ore deposits at Kuh-e-Bishali and south of Lakan village west of Khomeyn, Markazi Province (MSc, Feb. 2008, Islamic Azad University)
- 5) S.I. Beheshti Petrological study of Oligocene subvolcanic rocks and doleritic dykes in Kivi (Kosar) area with reference to geochemical exploration in Kivi 1:100,000 map (MSc, Dec. 2004, Research Institute for Earth Sciences)
- 4) Gh. Shamanian Study of hydrothermal alteration and mineralization of base and precious metals in Moaleman area, SE Damghan (PhD, April 2003, Shahid Beheshti University)
- 3) M. Fard Mineralogy, geochemistry and genesis of Gandy Au-Pb-Zn and Cu (Ba) deposit, SE Damghan (MSc, Oct. 2001, Tarbiat Modares University)
- 2) Gh. Rostami Facies analysis, geochemistry and genesis of Milakuh-Tuyeh F (Pb, Zn, Ba) in Soltanieh Formation (SW Damghan) (MSc, Oct. 2001, Tarbiat Modares University)
- 1) Sh. Niroomand Geochemical, mineralogical, and genesis characteristics of Dashkasan Sb deposit (East Ghorveh, Kordestan Province) (MSc, March 2000, Tarbiat Modares University)