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#### Academic education:

- ❖ **MS:** Geology in Ferdowsi University of Mashhad, 2005
- ❖ **MSc:** Economic geology in Tarbiat Modares University of Tehran, 2008
- ❖ **PhD:** Economic geology in Ferdowsi University of Mashhad, 2015

#### Researches:

##### ❖ Presented:

**Mahdavi, A., Rastad, E., Hosseini Barzi, M.** 2007. Mineralogy, texture and structure of Markashe sediment hosted copper horizons (Redbed type) in northwest of Ravar. 24<sup>th</sup> symposium of Oloum e Zamin, Tehran (in Persian).

**Mahdavi, A., Rastad, E., Hosseini Barzi, M., Mrarkasheh** sediment-hosted stratiform Cu mineralization in the Ravar region, Central Iran (2008). 33rd International Geological Congress (Oslo, Norway-August 2008).

**Mahdavi, A., Rastad, E.,** 2008. Role of plant-fossils and woody segments in ore formation and concentration in Markashe copper deposit, Northwest of Ravar. 12<sup>th</sup> Iranian Geological Society Conference (in Persian).

**Mahdavi, A., Rahimi, B.** 2010. Malayer-Isfahan Pb-Zn deposits and relation with structural control, using Fry analysis. 1<sup>st</sup> symposium of Iranian society of economic geology (in Persian).

**Mahdavi, A., Rastad, E.** 2010. Investigating of formation of sedimentary-diagenetic Markasheh copper deposit and similar mineralization in Ravar-Tabas- Eshgh Abad Belt. 4<sup>th</sup> national symposium of geology, PNU, Mashhad (in Persian).

**Mahdavi, A., Karimpour, M.H. Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A.** 2011. Mineralization, alteration and geochemistry of Gazu copper deposit, southeast of Tabas. 3<sup>rd</sup> symposium of Iranian society of economic geology, Ahvaz University (in Persian).

**Mahdavi, A., Karimpour, M.H. Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A.** 2012. Interpretation of IP/RS data by geological data in Gazu area, southeast of Tabas. 15<sup>th</sup> symposium of geophysics of Iran, Tehran (in Persian).

**Mahdavi, A., Karimpour, M.H. Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A.** 2013. Investigating of distribution and types of intrusive rocks and their relation with mineralization in Gazu area, northeast of Tabas block. 5<sup>th</sup> symposium of Iranian society of economic geology, Ferdowsi university of Mashhad (in Persian).

**Mahdavi, A., Karimpour, M.H., Mao, J.W., Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A.** 2017. Investigating of Genesis, Mineralogy and Geochemistry of Gazu Skarn, Southwest of Deyhouk. 9<sup>th</sup> symposium of Iranian society of economic geology, Birjand university (in Persian).

Afzali, M., Gholami, E., **Mahdavi, A.,** 2017. Representation of faults and alterations in the southern part of The sarduieh using Landsat8, Sentinel2 and ASTER images. 9<sup>th</sup> symposium of Iranian society of economic geology, Birjand university (in Persian).

Yari, F., Zarrinkoub, M.H., Mohammadi, S.S., **Mahdavi**, A., 2017. Petrography and Chemistry of Skarn Minerals in kalate shab (North of Doroh, East of Sarbisheh). 9<sup>th</sup> symposium of Iranian society of economic geology, Birjand university (in Persian).

❖ **Published:**

**Mahdavi**, A., Rastad, E., Hosseini Barzi, M. 2011. Mineralogy, texture, structure and genesis of Markasheh sediment-hosted copper deposit (Redbed) type in Garadu Redbed. Tabas Block, northwest of Ravar. Journal of Olum e Zamin, Vol. 81, pp 81-92 (in Persian with English abstract).

**Mahdavi**, A., Karimpour, M.H. Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A. 2014. Mineralogical study of intrusive rocks and alteration zones and compliance with geochemical data in Gazu Cu deposit, southwest Deyhouk. Iranian Journal of Crystallography and Mineralogy, No. 4, pp: 650-635 (in Persian with English abstract).

**Mahdavi**, A., Karimpour, M.H. Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A. 2013. Geochemistry and differentiation of intrusive rocks, relation with mineralization and interpretation of IP/RS geophysical data in Gazu area. Advanced Applied Geology, No. 8, pp: 47-60 (in Persian with English abstract).

**Mahdavi**, A., Karimpour, M.H., Mao, J.W., Haidarian Shahri, M.R., Malekzadeh Shafaroudi, A. (2016). Zircon U-Pb geochronology, Hf isotopes and geochemistry of intrusive rocks in the Gazu copper deposit, Iran: Petrogenesis and geological implications. Ore geology review, No. 72, pp 818-837.