

# CURRICULUM VITAE

## PERSONAL DETAILS:

**Name:** Saeed Yousefi

**Nationality:** Iranian

**Address:** Room 305, Engineering Faculty No. 2, University of Birjand, University Blvd., Birjand, Southern Khorasan, Iran

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## EDUCATION AND QUALIFICATIONS:

**2009-2014** Shahrood University of Technology , Mining Exploration Engineering, Doctor of Philosophy,  
**Ph.D Thesis:** The new method for speciation and zonation of pollution risk due to toxic elements by GIS Case study: Waste dumps of Sarcheshmeh porphyry copper mine  
**GPA 18.94 on scale of 20**

**2006-2009** Shahrood University of Technology , Mining Exploration Engineering, Master,  
**M.Sc Thesis:** A GIS base weight of evidence model mineral potential mapping of copper porphyry LUT region in east of Iran.  
**GPA 18.02 on scale of 20**

**2002-2006** University Of Birjand, Bachelor, Mining Exploration Engineering,  
**B.Sc Thesis:** Groundwater quality zonation of Birjand plain for agriculture and drinking uses in GIS environent  
**GPA 17.32 on scale of 20**

**1998-2002** Nemooneh Tarbyat (National organization for top student education), High School  
**Diploma, Mathematics and Physics,**  
**GPA 18.6 on scale of 20**

## WORK EXPERIENCE:

**2005** Cooperation in geoelectrical studies, 36 square kilometers from the eastern lands of Birjand Plain.

**2005** Cooperation in geoelectrical studies in Karimabad village, Birjand.

- 2005** Collaboration in geoelectrical studies of Tagheski Plain.
- 2010** Cooperating in IP exploration in Hefdah Chenar, Pariz, Kerman Province, supervisor of Kerman Mining Company, July 2010.
- 2010** Cooperation in IP exploration in Golzar area, southwest of Sirjan, Kerman province, supervisor of Kerman Mining Company. Aug. 2010.
- 2013** Collaborator of the research project at University of Birjand, entitled "Developing a new scenario to determine the effective factor in contamination of groundwater aquifers in the environmental impact assessment matrix (EIA) of mines using fuzzy hierarchical analysis (FAHP)".
- 2011-2014** Cooperation with R & D department of the National Iranian Copper Industries.

## **PUBLICATIONS:**

### **Peer-reviewed papers in scientific journals**

Ahmad Aryafar, **Saeed Yousefi**, Faramarz Doulati Ardejani, "The weight of interaction of mining activities: groundwater in environmental impact assessment using fuzzy analytical hierarchy process (FAHP)." *Environmental Earth Sciences* 68(8) (2013): 2313-2324.

**Saeed Yousefi**, Faramarz Doulati Ardejani, Mansour Ziiai, Esmat Esmail Zadeh, Arezoo Abedi, "Investigating the origin and geochemical behaviour of toxic elements within the waste dumps using statistical analyses: a case study at waste dumps of Sarcheshmeh copper mine, SE of Iran", *Environmental Earth Sciences*, 73(4) (2015): 1555-1572.

**Saeed Yousefi**, Faramarz Doulati Ardejani, Mansour Ziiai, Esmat Esmail Zadeh, Arezoo Abedi, "The speciation of cobalt and nickel at mine waste dump using improved correlation analysis: a case study of Sarcheshmeh copper mine", *Environment, Development and Sustainability*, 17(5) (2015): 1065-1084.

**Saeed Yousefi**, Faramarz Doulati Ardejani, Mansour Ziiai, Esmat Esmail Zadeh, Arezoo Abedi, "Identification of the Origin and Behaviour of Arsenic in

Mine Waste Dumps Using Correlation Analysis: A Case Study Sarcheshmeh Copper Mine", International Journal Mining and Geo-Engineering, Vol.47, No.2, Dec. 2013, pp. 139-147.

**Yousefi Saeed**, Doulati Ardejani Faramarz, Ziaii Mansour, Karamoozian Mohammad, Esmaeil Zadeh Esmat, "Modification of ASTM-D2492 standard test method for determining sulfur forms in environmental monitoring of porphyry copper waste dump, Case Study: Sarcheshmeh Copper Mine", Iranian Journal of Mining Engineering (IRJME), Vol. 8, No. 21, 2014, pp. 53-65.

**Yousefi, S.**, Doulati, A. F., Abedi, A., Ziaei, M., & Esmaielzade, E. (2015). "Investigation on the oxygen transport mechanisms in the Sarcheshmeh waste rock dumps", Journal of Economic Geology, Vol. 7, No. 1, 2015, pp. 129-146.

Vahid, Khosravi, Faramarz Doulati Ardejani, and **Saeed Yousefi**. "Spectroscopic Based Quantitative Mapping of Contaminant Elements in Dumped Soils of a Copper Mine." Geopersia 7.1 (2017): 71-84.

Shabnam, Hasani, Omid Asghari, Faramarz Doulati Ardejani, and **Saeed Yousefi**. "Spatial modelling of hazardous elements at waste dumps using geostatistical approach: a case study Sarcheshmeh copper mine, Iran." Environmental Earth Sciences 76, no. 15 (2017): 532.

Vahid Khosravi, Faramarz Doulati Ardejani, and **Saeed Yousefi**. "Spectroscopic-based assessment of the content and geochemical behaviour of arsenic in a highly heterogeneous sulphide-rich mine waste dump." Environmental Earth Sciences 76.13 (2017): 459.

Vahid, Khosravi, Faramarz Doulati Ardejani, **Saeed Yousefi**, and Ahmad Aryafar. "Monitoring soil lead and zinc contents via combination of spectroscopy with extreme learning machine and other data mining methods." Geoderma 318 (2018): 29-41.

#### **Conference proceedings: peer-reviewed papers**

Saeed Yousefi, Goelectrical study in Karim-Abad field of Birjand city, 2th National Geological Conference of Payame Noor University, 5 May 2008, Tabriz, Iran.

Saeed Yousefi, Zonation of drinking water quality in Birjand plain by using GIS, 2th National Geological Conference of Payame Noor University, 5 May 2008, Tabriz, Iran.

Yousefi, S., Ziaei, M., & Kamkar Rohani, A., Interpretation of ETM<sup>+</sup> data in Dehsalm area in order to detect alterations of porphyry copper, 2nd Iranian Mining Engineering Conference, 28 October, 2008, Tehran, Iran.

Yousefi, S., Ziaei, M., & Kamkar Rohani, A., The exploration of Copper and Molybdenum Potential Using Integrated Exploratory Information in GIS System in Dehsalm Region, Nehbandan, 12th Symposium of Geological Society of Iran, 6 March 2009, Ahwaz, Iran.

Yousefi, S., Ziaei, M., & Kamkar Rohani, A., Optimization of geochemical exploration in order to overcome the limitations of geochemical exploration in desert landscapes (case study: Dehsalam Nehbandan), 12th Symposium of Geological Society of Iran, 6 March 2009, Ahwaz, Iran.

Yousefi, S., Zia, H., Groundwater quality zonation of Birjand Plain for agricultural use by GIS, 12th Symposium of Geological Society of Iran, 6 March 2009, Ahwaz, Iran.

Mansour Ziaii, Abolghasem Kamkar- Rouhani, and Saeed Yousefi, "A GIS-based weights-of-evidence model for mineral potential mapping of porphyry copper in Dehsalm area, east of Iran", 11th International Symposium on Mineral Exploration(ISME-XI), GTK, Espoo, Finland, September, 2010.

Saeed Yousefi, Faramarz Doulati Ardejani, Mansour Ziaii, Mohammad Karamoozian, Esmat Esmaeil Zadeh, Zoning of toxic element pollution risk related to waste dump using GIS as innovative approaches for the monitoring of environmental pollution, 1st Iranian Mining Technologies Conference-IMT, 5 September 2012, Yazd, Iran.

Nikzad, T., Yousefi, S., Abedi, A., Esmaeelzade, E., Mineralogical study as for determination of potentially toxic element in pyrite, Case study: Waste dump no.19 and 31 at Sarcheshmeh copper mine, 2nd International Congress of Applied Geology, June 2015, Mashhad, Iran.

Nikzad, T., Abedi, A., Yousefi, S., Esmaeelzade, E., Assessment of arsenic concentration in pyrite samples of waste Dumps, 7th Conference of the Iranian Geological Society, 9 September 2015, Damghan, Iran.

Saeed, Yousefi, Ahmad, Aryafar; Sadidi Roya, Application of multi-criteria decision-making Area in selecting the appropriate option for reconstruction of mines in terms of natural factors, 9th Symposium of Iranian Society of Economic Geology, September 2017, Birjand, Iran

Ahmad, Aryafar; Saeed, Yousefi; Mohammad Naser, Tatari, Selecting the appropriate method for the exploitation of building stones using The Area Method, 9th Symposium of Iranian Society of Economic Geology, September 2017, Birjand, Iran.

Pouria Sherkhani Meidani, Ahmad Arifar, Vahid Khosravi, Saeed Yousefi, Estimation of Groundwater Level in Sangan Plain Using Artificial Neural Networks, 9th Symposium of Iranian Society of Economic Geology, September 2017, Birjand, Iran.

Fereshteh, Khammar; Gholamreza, Nowrouzi; Saeed, Yusefi; Baset, Nohtani, Statistical analyzes in closed and open numerical system in Taktalar area in Zahedan, 9th Symposium of Iranian Society of Economic Geology, September 2017, Birjand, Iran.

Fereshteh, Khammar; Gholamreza, Nowrouzi; Saeed, Yusefi; Baset, Nohtani, Induced polarization and resistivity modeling to explore copper and gold in Taktalar area in Zahedan, 9th Symposium of Iranian Society of Economic Geology, September 2017, Birjand, Iran.

Khosravi, Faramarz Doulati Ardejani, Saeed Yousefi, Application of remote sensing to monitor the contamination of toxic metals, The 8th National Conference & Exhibition on Environmental Engineering, November 2016, Tehran, Iran.

Vahid Khosravi, Faramarz Doulati Ardejani, Saeed Yousefi, A Novel Method to determine the concentration and absorption mechanism of chromium in Sarcheshmeh copper mine waste dump using spectrometry, The 8th National

Conference & Exhibition on Environmental Engineering, November 2016, Tehran, Iran.

Vahid Khosravi, Faramarz Doulati Ardejani, Saeed Yousefi, The application of remote sensing in monitoring acid mine drainage, The 8th National Conference & Exhibition on Environmental Engineering, November 2016, Tehran, Iran.

Vahid Khosravi, Faramarz Doulati Ardejani, Saeed Yousefi, "A Spectroscopic Approach to Study the Arsenic Content of Soil in Sarcheshmeh Porphyry Copper Mine Waste Dump", 4th International Mine & Mining Industries Congress and 6th Iranian Mining Engineering Conference, Tehran, November 6-8, 2016.

Obeidollah, Mohammadi ; Mansour, Ziaii; Saeed Yousefi; Mehdi Ziaei, Processing of ASTER Satellite imagery to Detection of Alteration Zones of Iron and Copper in the study area 1:100000 Sankhast, 10th Symposium of Iranian Society of Economic Geology, September 2018, Isfahan, Iran.

Komeil, Kaheni; Saeed, Yousefi; Hadi, Farhadian, Evaluating the economic potential of phytomining method to extract metal from low-grade mineralized areas, 10th Symposium of Iranian Society of Economic Geology, September 2018, Isfahan, Iran.

Majid, Khosravi; Saeed, Yousefi; Ahmad, Aryafar; Majid, Keykha Hoseinpoor, investigation of groundwater hydrochemistry of Esfeden basin, Qain, South Khorasan, 10th Symposium of Iranian Society of Economic Geology, September 2018, Isfahan, Iran.

Alireza, Moghbeli Gharaei; Hadi, Farhadian; Saeed, Yousefi, Prospecting for Copper, Zinc and Selenium Deposits in Geobotanical point of view, 10th Symposium of Iranian Society of Economic Geology, September 2018, Isfahan, Iran.