



Reza Jahanshahi Associate Professor

Faculty : Science

Departments : Geology

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Address : Dept.of Geology, Faculty of Science, University of Sistan and Baluchestan, Daneshgah Ave., Zahedan, Iran.

Education

- ✓ B.Sc, ,Sistan and Baluchestan University - 2004
- ✓ MS, Geology, Shiraz University - 2007
- ✓ PhD, Geology, Shiraz University - 2013

Courses

1. Hydrology
2. karst Hydrology
3. Groundwater Exploitation
4. Hydrogeochemistry
5. Advanced hydrology
6. Groundwater Contamination
7. Hedrogeology of Igneuse and Metamorphic Rocks
8. Statistics and Probability

Master Thesis

1. Hydrogeochemistry of the water Resources in the Coastal Aquifer of Chabahar Area, Sistan and Baluchestan Province, iran
[Reza Jahanshahi, Sepide Mali]
نیمسال اول سال تحصیلی 99-00
2. Fluoride contamination of the water resources in west and south part of the Taftan volcano, southeastern iran
[Reza Jahanshahi, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 99-00
3. Hydrogeochemical evolution and origin of the groundwater in the Tamin and Sangan areas, Sistan and Baluchestan province, iran
[Reza Jahanshahi, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 99-00
4. Geostatistical Techniques in identifying the Permeable Zones in the Takht-e-Gonbad Copper Mine, Sirjan, Kerman Province, iran
[Naser Asadi, Sepide Mali, Reza Jahanshahi]
نیمسال دوم سال تحصیلی 98-99
5. Hydrogeochemistry of ground water resources in the Iranshahr plain, Southeast Iran
[Reza Jahanshahi, Naser Asadi, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 98-99
6. The effect of hydrogeological and tectonic factors on the groundwater resources nearby the Kaji salt playa, Southeast of Birjand, Eastern IRAN
[Reza Jahanshahi, Abdolreza Partabian, Habib Biabangard]
نیمسال اول سال تحصیلی 98-99
7. Evaluation of effective factors on the ground water quality in the Saravan plain and surrounding areas, Sistan and Baluchestan province
[Reza Jahanshahi, Sasan Bagheri, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 98-99
8. Banmasity Cave genesis process in the Chabahar region, Southeast Iran
[Reza Jahanshahi, Mostafa Ghomashi, Abdolreza Partabian]
نیمسال دوم سال تحصیلی 97-98
9. Physical Modelling for the Remediation of Groundwater Salinity Using the Halophyte Plants
[Reza Jahanshahi, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 97-98
10. Using the Stochastic Simulation Methods to Determining the Permeable Zones in the Abutments of Tangab Dam, Firouzabad City, Fars Province, iran
[Reza Jahanshahi, Samin Sasari, Morteza Mozafari]
نیمسال اول سال تحصیلی 97-98
11. Hydrogeochemistry and Groundwater Origin of The Sarduiyeh Area, Kerman Province, IRAN
[Reza Jahanshahi, Sepide Mali]
نیمسال اول سال تحصیلی 97-98

12. **Geochemistry and genes of pirlgel mud-volcano, northwest of Iranshahr, southeast Iran**
فرشته احرامي, [Habib Biabangard, Abdolreza Partabian, Reza Jahanshahi]
نیمسال دوم سال تحصیلی 96-97
13. **Fluoride and Heavy Metal Contamination in Groundwater of the Thermal and cold Springs in the Bazman Area ,Southeast iran**
مهرداد نادري, [Reza Jahanshahi, H H]
نیمسال اول سال تحصیلی 96-97
14. **Hydrogeochemistry Microbial and Nitrate Contamination of Groundwater and Sewage in the Zahedan Urban Area, Sistan-va-Baluchestan Province,Southeast iran**
عالیه اله دادي, [Reza Jahanshahi, Mohamad reza Mir balochzahy]
نیمسال اول سال تحصیلی 96-97
15. **Using the Stochastic Simulation Methods for Determination of the permeable Zones in the Hard Rock Formation of Gohar-Zamin Open pit Mine, Kerman Province,iran**
بهشته نخعی سرودانی, [Reza Jahanshahi, Samin Sasari]
نیمسال دوم سال تحصیلی 95-96
16. **Evaluating the Groundwater Quality of Hassanabad-Dehchah Area, Northeast of Neyriz, Faes province,iran**
مهدیه سادات حسینی, [Reza Jahanshahi, Naser Asadi,]
نیمسال دوم سال تحصیلی 95-96
17. **Evaluating the Isotopic and Natural Radioactivity of Thermal and cold Water Springs in the Bazman Area , Southeast of iran**
داود بهادري, [Reza Jahanshahi, Vahid Dehghani, Sepide Mali]
نیمسال دوم سال تحصیلی 95-96
18. **Evaluating the Hydrochemistry and Geothermometry of bazman Thermal Springs,Southeast of iran**
فرخنده عسکری ملک اباد, [Reza Jahanshahi, S S]
نیمسال اول سال تحصیلی 95-96
19. **Hydrogeochemistry and Trace Elements of Groundwater in the Golgohar mine Area , Sirjan,iran**
سیمین شجاعی باغینی, [Reza Jahanshahi, Sepide Mali]
نیمسال اول سال تحصیلی 95-96
20. **Assessment of Land Subsidence and its Relation to the Groundwater Pumping and Sewage influence A Case Study in Tahlab Plain, Southeast of Zahedan City, iran**
ابراهیم گمشادزهی محبوب, [Reza Jahanshahi, Hamid Reza Soloki, Mehdi Azhdary Moghaddam]
نیمسال اول سال تحصیلی 95-96
21. **Affecting Factors on the Water Table Rise Around the 2nd Subway Line in Mashhad City,iran**
زهرا رجبیان مقدم, [Reza Jahanshahi, Naser Asadi, L L]
نیمسال اول سال تحصیلی 95-94
22. **Assessment of Hydrogeochemistry and Heavy Metals of the groundwater in the Ardestan Copper Mineral Exploration Area, Isfahan province,Iran**
سمانه احمدی, [Reza Jahanshahi, L L]
نیمسال اول سال تحصیلی 95-94

23. Simulation and prediction of the dewatering procecc in open pit of GOL-e-Gohar iron ore mine, Kerman province,iran

الهام راوند, [Reza Jahanshahi, Naser Asadi, F F]

نیمسال اول سال تحصیلی 93-94

24. Geochemistry and genes of pirlgel mud-volcano, northwest of Iranshahr, southeast Iran

, []

25. Development of Banmasity cave in the Chabahar, Southeast iran

, []

Journals Papers

2022

1. [Forecasting the flooding in the site of the Zabol gas transmission line, in the Hamoun Wetland, using climate change and hydrological models](#)

Reza Jahanshahi, Sepideh Mali, Mohsen Hamidianpour

Volume: (6) 1 - 12

2. [Application of the Geostatistics to Identification of the High Water Escape Potential Locations in the Tangab Dam](#)

Reza Dehshibi, Reza Jahanshahi, Morteza Mozaffari, Amin Assari

Volume: (34) 15 - 30

3. [Determining the best places for dewatering wells in the Gohar-Zamin pit mine, using geostatistical methods](#)

, Reza Jahanshahi, Amin Assari

Geopersia Volume: (12) 1 - 15

2021

4. [Identifying the permeable zones in Dare-h-Zar copper mining area in Sirjan using time series analysis of the precipitation and groundwater level](#)

Sepideh Mali, Hadi Jafari, Reza Jahanshahi

Volume: (5) 127 - 141

5. [The distribution and contamination of minor ions and elements in the water resources of the Sarduiyeh plain, Kerman province, Iran](#)

Nozhat Mahmoudi nejad, Reza Jahanshahi, Sepideh Mali

Volume: () 1 - 22

2020

6. [Factors affecting on the groundwater uplift in the Mashhad city, Iran](#)

, Reza Jahanshahi, Naser Asadi, Valialah Behzadi far

Volume: (14) 51 - 63

7. [Qualitative study of groundwater resources in the Hassanabad-Dehchah, Northeast of Neyriz, Fars province](#)

, Reza Jahanshahi, Naser Asadi, Mohammad Ali Nasiri

Volume: (5) 150 - 165

8. [Simulation of Heavy Metals Transport in the Groundwater of Golgohar Iron Ore Mine Aquifer](#)

Reza Jahanshahi, Sepideh Mali,

Volume: (9) 15 - 34

9. Destruction of groundwater quality and the risk of saltwater intrusion in the aquifers nearby Sirjan salt playa, Iran

Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali, Mohammad Ali Nasiri

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY Volume: (100) 647 - 661

10. Two distinct mechanisms of fluoride enrichment and associated health risk in springs' water near an inactive volcano, southeast Iran

Mehrdad Naderi, Reza Jahanshahi, Reza Dehbandi

ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: (195) 110503-1 - 110503-12

11. Characterization of the Bazman geothermal field, the southeast of Iran

Farkhondeh Askari malek abad, Reza Jahanshahi, Rahim Bagheri

Geopersia Volume: (10) 405 - 418

2019

12. Evaluating the trace elements contamination and corrosive potential in the groundwater of south and southwest of Sirjan city, Iran

Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali

Volume: (21) 111 - 130

13. Variations of stable oxygen and hydrogen isotope ratios in the cold and thermal springs of the Bazman volcanic area (in the southeast of Iran)

, Reza Jahanshahi, Vahid Dehghani, Sepideh Mali

Environmental Earth Sciences Volume: (78) 663-1 - 663-13

2018

14. Assessment of hydrochemistry and heavy metals pollution in the groundwater of Ardestan mineral exploration area Iran

, Reza Jahanshahi, Vahid Moeini, Sepideh Mali

Environmental Earth Sciences Volume: (77) 1 - 13

15. Evaluation of groundwater resources quality in the Ardestan mining area Isfahan province Iran

, Reza Jahanshahi, Vahid Moeini, Sepideh Mali

Volume: (3) 387 - 403

16. Geostatistical simulation of RQD variable using investigation of spatial continuity between Quaternary alluvial layer and hard rock of Gohar-Zamin mine to the determination of permeable zones

, Reza Jahanshahi, Amin Assari

Volume: (3) 163 - 177

2017

17. Simulation and prediction of the dewatering process in the porous media and hard rock in the open pit of Golgohar iron ore mine

Reza Jahanshahi, , Naser Asadi, s m, s h

Volume: (7) 26 - 37

18. Delineating the Origin of Groundwater in the Golgohar Mine Area of Iran Using Stable Isotopes of 2H and 18O and Hydrochemistry

Reza Jahanshahi,

Mine Water and the Environment Volume: (36) 550 - 563

19. Hydrochemical characteristics of groundwater in the Bazman Iranshahr and Espake area southeast of Iran

Farkhondeh Askari malek abad, Reza Jahanshahi, Sepideh Mali

Volume: (3) 289 - 299

2016

20. Hydrochemical investigations for delineating salt-water intrusion into the coastal aquifer of Maharlou Lake, Iran

Reza Jahanshahi,

JOURNAL OF AFRICAN EARTH SCIENCES Volume: (121) 16 - 29

2015

21. Assessment of heavy metals pollution in groundwater of Golgohar iron ore mine area Iran

Reza Jahanshahi, Mohammad Zare

Environmental Earth Sciences Volume: (1) 505 - 520

2014

22. A Metal Sorption/Desorption Study to Assess the Potential Efficiency of a Tailings Dam at the Golgohar Iron Ore Mine Iran

Reza Jahanshahi, Mohammad Zare, Michael Schneider

Mine Water and the Environment Volume: (3) 228 - 240

2010



23. Hydrogeochemistry and geothermometry of Changal thermal springs Zagros region Iran

Zargham Mohammadi, Rahim Bagheri, Reza Jahanshahi

GEOHERMICS Volume: (3) 242 - 249

Conferences Papers

2019

1. Natural Radioactivity of Thermal and Cold Water Springs in the Bazman Area, Southeast of Iran

38 th National Geosciences Congress

, Reza Jahanshahi, Vahid Dehghani

2. The effect expansion of sewage network on the water table fluctuations in Mashhad city, Iran.

38 th National Geoscience Congress

, Reza Jahanshahi, Naser Asadi, Valialah Behzadi Far

3. Mining Effect of Dareh-Zar Copper Mine (Sirjan) on the Quality of Water Resources

38 th national Geoscience Congress

Sepideh Mali, Hadi Jafari, Reza Jahanshahi

2018

4. Assessment of hydrochemistry in the groundwater resources of Ardestan mineral exploration area, Iran.

36th National and the 3th International Geosciences Congress

, Reza Jahanshahi, Sepideh Mali

5. Nitrate contamination in the groundwater of the west and southwest aquifers of Sirjan city, Iran

The First International Congress on Water, Soil and Environmental Sciences

Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali

6. Hydrochemical investigation of groundwater in the springs and irrigation wells of Bazman volcano region, Iran

The First International Congress on Water, Soil and Environmental Sciences

Farkhondeh Askari, Reza Jahanshahi

7. Exploratory data analysis of the RQD and Lugeon to determination of spatial continuity pattern in the Gohar-Zamin iron ore mine (Sirjan)

The 4th National Geology and Mining Exploration Symposium

, Amin Asari, Reza Jahanshahi

8. Hydrogeochemistry of Salt and Fresh Grounwater in the Aquifers Near Golgohar Irone Ore Mine, Sirjan, Kerman province

The 4th National Geology and Mining Explorations Symposium

Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali, Mohammad Ali Nasiri

9. Exploratory data analysis of the RQD and Lugeon to determination of spatial continuity pattern in the Gohar-Zamin iron ore mine (Sirjan)

The 4th National Geology and Mining Explorations Symposium
, Amin Assari, Reza Jahanshahi

10. Assessment of hydrochemistry in the groundwater resources of Ardestan mineral exploration area, Iran

The 36th National and the 3rd International Geosciences Congress
, Reza Jahanshahi, Sepideh Mali

11. Hydrochemical investigation of groundwater in the springs and irrigation wells of Bazman volcano region, Iran

Water, soil and environmental sciences
Farkhondeh Askari malek abad, Reza Jahanshahi

12. Nitrate contamination in the groundwater of the west and southwest aquifers of Sirjan city. Iran

Water, soil and environmental sciences
Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali

13. Hydrogeochemistry of Salt and Fresh Grounwater in the Aquifers Near Golgohar Irone Ore Mine, Sirjan, Kerman province

The 4th National Geology and Mining Explorations Symposium
Simin Shojaei baghini, Reza Jahanshahi, Sepideh Mali, Mohammad Ali Nasiri

2016

14. Groundwater simulation in the alluvium and double porosity of the hard rock in the Golegozar iron ore mine using FEFLOW

The 20th Symposium of Geological Society of Iran
Reza Jahanshahi, Naser Asadi, , Seyed Mohammad Hosseini Sabzvari, Sepideh Mali

15. Behavior of groundwater table in the Ardestan plain to rainfall, evaporation and river discharge using time series analysis

The 20 th Symposium of Geological of Iran
, Reza Jahanshahi, Sepideh Mali

16. Investigation of the time-variation response of water table to the precipitation in Mashhad city and environs

The 20th Symposium of Geological Society of Iran

, Reza Jahanshahi, Naser Asadi, Sepideh Mali

17. Behavior of groundwater table in the Ardestan plain to rainfall, evaporation and river discharge using time series analysis

The 20 th Symposium of Geological Society of Iran

, Reza Jahanshahi, Sepideh Mali

18. Investigation of the time-variation response of water table to the precipitation in Mashhad city and environs

The 20 th Symposium of Geological Society of Iran

, Reza Jahanshahi, Naser Asadi, Sepideh Mali

19. Simulation of groundwater flow in alluvial porous media and hard rock formation in the Golgohar mine using FEFLOW

The 20 th Symposium of Geological Society of Iran

Reza Jahanshahi, Naser Asadi, , Seyed Mohammad Hosseini Sabzevari, Sepideh Mali

2014

20. Techniques of hydrochemistry and stable isotopes of 2H and 18O to delineate the salinity source of seepage and groundwater in Golegohar mine pit

32nd National & the 1 st International Geosciences Congress

Mohammad Zare, Reza Jahanshahi

21. Assessment of hydrological parameters impact on ground water, using time series techniques

32nd National & the 1 st International Geosciences Congress

Rahim Bagheri, Fatemeh Bagheri, Reza Jahanshahi

22. Spatial and time variation of nitrate ion in the groundwater of Kazeroun plain

32nd National & the 1 st International Geosciences Congress

Mohammad Ali Nasiri, Reza Jahanshahi, Nasrolah Joukar

2008

23. Management of Coastal Aquifer Exploitation of Southeastern of Maharlu Lake to Prevent Salt Water Intrusion into Pumping Wells

The 26th symposium on Geosciences

Ezat Raeisi, Mohammad Zare, Reza Jahanshahi

2007

24. Hdrochemical Study of Groundwater Resources in South East Region of Maharlu Lake

Proceeding of 11th symposium of Geology society of Iran

Farahtaj Bahadori, Reza Jahanshahi, Mohammad Zare, Ezat Raeisi

Research Project

2020

1. Hydrological studies, estimation and prediction of water level in Hamoon (Helmand) wetland after flo

Reza Jahanshahi - 2020

2019

2. Investigating and Presenting the Economic Method to Removal of Sodium Chloride from Brackish Waters.

Reza Jahanshahi - 2019

2017

3. Basic Investigation of Dewatering in the Dareh-Zar Copper Ore Mine

Reza Jahanshahi - 2017

2014

4. Simulation of the groundwater contamination in Gol-e-Gohar Iron Ore Mine and tailings dam using FEFL

Reza Jahanshahi - 2014