

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

سمانه پندار, [Reza Jahanshahi, Sepide Mali]

نیمسال اول سال تحصیلي 00-99

2. Fluoride contamination of the water resources in west and south part of the Taftan volcano, southeastern iran

حفیظه ریگي کارواندري, [Reza Jahanshahi, Mohamad reza Mir balochzahy, Naser Asadi, Habib Biabangard, Abdolreza Partabian]

نیمسال اول سال تحصیلي 00-99

3. Hydrogeochemical evolution and origin of the groundwater in the Tamin and Sangan areas, Sistan and Baluchestan province, iran

طیبه ریگي فرید, [Reza Jahanshahi, Mohamad reza Mir balochzahy]

نیمسال اول سال تحصیلي 00-99

4. Geostatistical Techniques in identifying the Permeable Zones in the Takht-e-Gonbad Copper Mine, Sirjan,Kerman Province,iran

فرشته موحدي, [Reza Jahanshahi, Naser Asadi, Sepide Mali]

نیمسال دوم سال تحصیلي 99-98

5. Hydrogeochemistry of ground water resources in the Iranshahr plain, Southeast Iran

معصومه نوردي, [Reza Jahanshahi, Naser Asadi, Mohamad reza Mir balochzahy, Mehdi Azhdary Moghaddam, Abdolreza Partabian, Habib Biabangard]

نیمسال اول سال تحصیلي99-98

6. The effect of hydrogeological and tectonic factors on the groundwater resources nearby the Kaji salt playa, Southeast of Birjand, Eestern IRAN

سیده نیلوفر میرکاظمي, [Reza Jahanshahi, Abdolreza Partabian, Habib Biabangard, Naser Asadi, Sasan Bagheri, Ali Ahmadi]

نیمسال اول سال تحصیلي99-98

7. Evalution of effective factors on the ground water quality in the Saravan plain and surrounding areas , Sistan and Baluchestan provincemkjjooo

حلیمه دامني, [Reza Jahanshahi, Sasan Bagheri, Mohamad reza Mir balochzahy, Naser Asadi, Abdolreza Partabian, Habib Biabangard]

نیمسال اول سال تحصیلي99-98

8. Banmasity Cave genesis process in the Chabahar region, Southeast Iran

سامان احمدزاده, [Reza Jahanshahi, Mostafa Ghomashi, Abdolreza Partabian]

نیمسال دوم سال تحصیلي 98-97

9. Physical Modelling for the Remediation of Groundwater Salinity Using the Halophyte Plants and zeolet

سبحان پیشاني دار, [Reza Jahanshahi, Mohamad reza Mir balochzahy]

نیمسال اول سال تحصیلي 98-97

10. Using the Stochastic Simulation Methods to Determining the Permeable Zones in the Abutments of Tangab Dam, Firouzabad City,Fras Province,iran

رضا دهشیبي, [Reza Jahanshahi, Samin Sasari, Morteza Mozafari]

نیمسال اول سال تحصیلي 98-97

11. Hydrogeochemistry and Groundwater Origin of The Sarduiyeh Area, Kerman Province,IRAN

نزهت محمودي نژاد, [Reza Jahanshahi, Sepide Mali]

نيمسال اول سال تحصيلي 98-97

12. Geochemistry and genes of pirgel mud-volcano, northwest of Iranshahr, southeast Iran

فرشته احرامي, [Habib Biabangard, Abdolreza Partabian, Reza Jahanshahi]

نيمسال دوم سال تحصيلي 97-96

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]

نيمسال اول سال تحصيلي 97-96

14. Hydrogeochemistry Microbial and Nitrate Contamination of Groundwater and Sewage in the Zahedan Urban Area, Sistan-va-Baluchestan Province,Southeast iran

عاليه اله دادي, [Reza Jahanshahi, Mohamad reza Mir balochzahy]

نيمسال اول سال تحصيلي 97-96

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 نخعي سروداني, [Reza Jahanshahi, Samin Sasari]

نيمسال دوم سال تحصيلي 96-95

16. Evaluating the Groundwater Quality of Hassanabad-Dehchah Area, Northeast of Neyriz, Faes province,iran

مهديه سادات حسيني, [Reza Jahanshahi, Naser Asadi,]

نيمسال دوم سال تحصيلي 96-95

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]

نيمسال دوم سال تحصيلي 96-95

18. Evaluating the Hydrochemistry and Geothermometry of bazman Thermal Springs,Southeast of iran

فرخنده عسكري ملك اباد, [Reza Jahanshahi, S S]

نيمسال اول سال تحصيلي96-95

19. Hydrogeochemistry and Trace Elements of Groundwater in the Golgohar mine Area , Sirjan,iran

سيمين شجاعي باغيني, [Reza Jahanshahi, Sepide Mali]

نيمسال اول سال تحصيلي96-95

20. Assessment of Land Subsidence and its Relation to the Groundwater Pumphng and Sewage influence A Case Study in Tahlab Plain, Southeast of Zahedan City, iran

ابراهيم گمشادزهي محبوب, [Reza Jahanshahi, Hamid Reza Soloki, Mehdi Azhdary Moghaddam]

نيمسال اول سال تحصيلي96-95

21. Affecting Factors on the Water Table Rise Around the 2nd Subway Line in Mashhad City,iran

زهرا رجبيان مقدم, [Reza Jahanshahi, Naser Asadi, L L]

نيمسال اول سال تحصيلي94-95

22. Assessment of Hydrogeochemistry and Heavy Metals of the grounvWater in the Ardestan Copper Mineral Exploration Area, Isfahan province,Iran

سمانه احمدي, [Reza Jahanshahi, L L]

نيمسال اول سال تحصيلي94-95

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]

نيمسال اول سال تحصيلي93-94

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

, []

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

, []

Journals Papers

2024

1. Geostatistical investigation of RQD to identify the high permeable zones in the Takhte-Gonbad copper mine pit, Sirjan

Farashteh Movahdi, Reza Jahanshahi, Naser Asadi, Sepideh Mali

Volume: (13) 1139 - 1153

2. The Effective Factors on the Groundwater Quality in the Saravan Area, South Iran

Halimeh Damani, Reza Jahanshahi, Sasan Bagheri, Mohammad Reza Mirbalouchzehi

Volume: (14) 199 - 221

2023

3. شناسايي پهنه هاي تراوا در معدن مس تخت گنبد با استفاده از درصد جريان آب بازگشت حفاري

Farashteh Movahdi, Reza Jahanshahi, Naser Asadi, Sepideh Mali

Volume: (36) 17 - 28

4. Estimating recharge into the Semnan alluvial aquifer using saturated zone studies

Bahareh Ekramipour, Hadi Jafari, Sajjad Moradi Nazarpoor, Rahim Bagheri, Somayeh Zarei Doudaji, Reza

Geopersia Volume: (13) 415 - 425

2022

5. 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

6. 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: (12) 238 - 258

7. 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

8. Determining the best places for dewatering wells in the Gohar-Zamin pit mine, using geostatistical methods

, Reza Jahanshahi, Amin Assari

Geopersia Volume: (2) 287 - 298

9. Groundwater Source Identifcation and Flow Model of the Dareh-Zar Copper Mine in Central Iran by Chemo-isotopic Techniques

Sepideh Mali, Hadi Jafari, Reza Jahanshahi, Rahim Bagheri

Mine Water and the Environment Volume: (41) 921 - 937

2021

10. 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

2020

11. Factors affecting on the groundwater uplift in the Mashhad city, Iran

, Reza Jahanshahi, Naser Asadi, Valialah Behzadi far

Volume: (14) 51 - 63

12. 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

13. Simulation of Heavy Metals Transport in the Groundwater of Golgohar Iron Ore Mine Aquifer

Reza Jahanshahi, Sepideh Mali,

Volume: (9) 15 - 34

14. 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, Mohammd Ali Nasiri

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

15. 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

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

Farkhondeh Askari malek abad, Reza Jahanshahi, Rahim Bagheri

Geopersia Volume: (10) 405 - 418

2019

17. 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

18. 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

19. 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

20. Evaluation of groundwater resources quality in the Ardestan mining area Isfahan provine Iran

, Reza Jahanshahi, Vahid Moeini, Sepideh Mali

Volume: (3) 387 - 403

21. 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

22. 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

23. 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

24. 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

25. 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

26. 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

27. 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, Michaeil Schneider

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

2010

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

Zargham Mohammadi, Rahim Bagheri, Reza Jahanshahi

GEOTHERMICS Volume: (3) 242 - 249

Conferences Papers

2024

1. The effect of lineaments on the quality of groundwater nearby Kaji playa, southeast of Birjand.

9th National Conference of Tectonics and Structural Geology on Iran

Seyede nilofar Mirkazemi, Reza Jahanshahi, Abdolreza Partabian, Habib Biabangard

2019

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

38 th National Geosciences Congress

, Reza Jahanshahi, Vahid Dehghani

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

9. 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

10. 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

11. 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

12. 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

13. 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

14. 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

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

The 20th Symposium of Geological Society of Iran

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

16. 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

17. 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

18. 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

19. 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

20. 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

21. 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

22. 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

23. 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

24. 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

25. 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

Executive activities

مشاوره دانشجویان کارشناسي

from 1402/07/01 - to 1402/11/05

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