

CURRICULUM VITAE

Dr. Rahim Bagheri

**Associate Professor, Faculty of Earth Sciences, Shahrood University of
Technology, Shahrood, Iran
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Name: **Rahim Bagheri**
Date of Birth: *Nov. 22th*, 1980
Marital status: Married
Childrens: 2 Childs (Son and Douther)
Nationality: Iranian
Address: Faculty of Earth Sciences, Shahrood University of Technology, Shahrood,
Iran
E-mail: rahim.bagheri86@gmail.com
r.bagheri@shahroodut.ac.ir

Education:

2000-2004: B.Sc. in Geology, Gorgan University of Agricultural, Sciences and Natural
Resources, Gorgan, Iran.
2004-2007: M.Sc. in Hydrogeology, Shiraz University, Shiraz, Iran.
2007-2013: Ph.D. Student in Hydrogeology, Shiraz University, Shiraz, Iran.

Thesis:

M.Sc. Leakage Potential in Seymareh Dam Site
Ph.D. Hydrochemistry and Sources of Connate Water in the Zagros Aquifers

Sabbatical: During the Ph.D, a sabbatical for six months in Utrecht University, the Netherlands.
He is by far the first researcher in Iran to study hydrochemical and isotopic characteristics of deep
fossil waters in a gas/oil field.

Position: Associate Professor (Staff) in Hydrogeology since 2013-now.

Affiliation: Faculty of Earth Sciences, Shahrood University of Technology, Shahrood, Iran

Awards: received of “Distinguished Applied Researcher” in Faculty of Earth Sciences, Shahrood
Universty of Technology in 2020.

Professional & Scientific Membership: International Association of Hydrogeologists (IAH)

ORCID ID: <https://orcid.org/0000-0002-9889-7797>

Research Interests

- Environmental Isotopes Geochemistry in water resources
- Karst Hydrogeology
- Deep and Shallow Groundwater evaluation
- Groundwater Geochemistry and Contamination
- Groundwater Resources Managment

- Geothermal Waters and Medical Geology
- Groundwater Modelling

Cources List:

Level	Course Title
B.Sc	Hydrogeology
B.Sc	Geomorphology
B.Sc	Hydrochemistry
B.Sc	Hydrology
<u>B.Sc</u>	<u>Physical Geology</u>
M.Sc	Applied Hydrogeology
M.Sc	Hydrogeochemistry
M.Sc	Groundwater Hydraulic
M.Sc	Water Supply
M.Sc	Groundwater Tracers
M.Sc	Groundwater exploitation
M.Sc	Groundwater contamination
M.Sc	Karst Hydrogeology
<u>M.Sc</u>	<u>Advanced Hydrology</u>
Ph.D	Isotope in Hydrogeology
Ph.D	Geothermal resources
Ph.D	Advanced Hydrogeochemistry

Supervisor:

MSc. : More than 20 Master student in Hydrogeology

Ph.D: About 4 Ph.D student in Hydrogeology

Projects:

1- Project of Dye tracing and karst hydrogeology of Symareh Dam, Illam, Iran

2- Project of Dye Tracing in Doosti Dam, Mashhad, Iran

3- Study of Brine Injection into the deep aquifer, Golestan province, Iran

4- Determination the Salinity Origin and Transport Mechanism of Produced Waters in the Wells of Khangiran and Gonbad-Lee Gas Reservoirs, Northeast of Iran

5- Determination of the Sources and Transport Mechanism of Produced Water in the Wells of the Kangan Gas Reservoir< Siutwest of Iran

6- Karst Hydrogeology of springs in Northeast of Iran, Isotopic and hydrochemistry methods

7- Atmospheric moisture and air mass origins: Chemo-isotopes methods, Northeast of Iran

8- Evaluating the saline waters intrusion to the Gisoor aquifer and different agents of increasing salinity using hydrochemical and isotopic tools, East of Iran

8- Determination of optimum yield from groundwater resources in Sarakhs prohibited plain, Iran

- 9- Assessing the impact of karst bauxite of Tash Mine on quantity and quality of water resources,
 10- Evaluating of seepage and water escape in Damghan Dam, Central of Iran
 11- Estimating useful life of alluvial aquifers based on the available data, Iran.

Publications (papers)

[Geochemical and multi-isotopes \(\$\delta^{18}\text{O}\$, \$\delta^2\text{H}\$, \$\delta^{13}\text{C}\$, \$3\text{H}\$ and \$\delta^{37}\text{Cl}\$ \) evidences to karst development and flow directions in transboundary aquifer, Northeast of Iran](#)

Fatemeh Bagheri, Gholam Hossein Karami, Rahim Bagheri*, Jasper Griffioen, Hans Eggenkamp, Hadi Jafari
 Applied Geochemistry 132 (2021) 105071. 2021

[Qualitify karstic aquifer potential recharge zones by integrated hydrogeology and GIS approaches, Northern Iran.](#)

R. Bagheri, G. Mirhasani, H. Jafari, M. Mozaffari
 Geopersia, 2021

[Estimation the annual recharge of Gonabad Plain qanats using isotopic methods](#)

H Mirani Moghadam, GH Karami, R Bagheri 2021
 Journal of Advanced Applied Geology 11 (1), 84-98

[Death time estimation of water heritages in Gonabad Plain, Iran](#)

HM Moghadam, GH Karami, R Bagheri, R Barati 2021
 Environmental Earth Sciences 80 (4), 1-10

[Hydrogeology and geomorphology of Bisetun Aquifer \(NW Iran\): interesting example of deep endokarst](#)

M Mozafari, M Sajjadian, Y Sorninia, R Bagheri, F Ghader 2020
 Carbonates and Evaporites 35 (4), 1-19

[Groundwater and soil salinization and geochemical evolution of Femenin-Ghahavand plain, Iran](#)

M Mirzavand, SH Sadeghi, R Bagheri 2020
 Environmental Science and Pollution Research 27 (34), 43056-43066

[Characterization of the Bazman geothermal field, the southeast of Iran](#)

F Askari Malekabad, R Jahanshahi, R Bagheri 2020
 Geopersia 10 (2), 405-418

[Groundwater Origin in Qanats, Chemo- Isotopic, and Hydrogeological Evidence](#)

HM Moghadam, R Bagheri, GH Karami, H Jafari 2020
 Groundwater 58 (5), 771-776

[Investigating the flow mechanism and groundwater origin of Gonabad Plain qanats using hydrochemical and isotopic methods](#)

H Miranimoghadam, GH Karami, R Bagheri 2020
 Journal of Geoscience 29 (116), 183-192

[Delineating the source and mechanism of groundwater salinization in crucial declining aquifer using multi-chemo-isotopes approaches](#)

M Mirzavand, H Ghasemieh, SJ Sadatinejad, R Bagheri 2020
 Journal of Hydrology 586, 124877

[Site Selection of Municipal Solid Wastes by GIS and Analytical Hierarchy Process \(AHP\) in Kangavar City, Kermanshah Province](#)

S Sorory Nia, G Forghani Tehrani, R Bagheri 2020
 New Findings in Applied Geology 14 (27), 100-111

[The water crisis in Iran: Development or destruction?](#)

M Mirzavand, R Bagheri ¹ 2020
 World Water Policy 6 (1), 89-97

[An overview on source, mechanism and investigation approaches in groundwater salinization studies](#)

M Mirzavand, H Ghasemieh, SJ Sadatinejad, R Bagheri 2020

- [The use of continuous fuzzy and traditional classification models for groundwater potentiality mapping in areas underlain by granitic hard-rock aquifers](#) 2020
F Taheri, H Jafari, M Rezaei, R Bagheri
Environmental Earth Sciences 79 (5), 1-16
- [Hydrogeological Assessment of the Gonabad Plain Qanats](#) 2020
H Mirani Moghadam, GH Karami, R Bagheri
Hydrogeology 4 (2), 34-47
- [The effect of precipitation and lithology on hydrochemical characteristics of the Karstic Springs in North Khorasan Province](#) 2020
F BAGHERI, GH KARAMI, R Bagheri, J MESHKINI
IRANIAN JOURNAL OF GEOLOGY 13 (5200858), 89-103
- [Isotope hydrology and geothermometry of the thermal springs, Damavand volcanic region, Iran](#) 2020
R Bagheri, GH Karami, H Jafari, H Eggenkamp, A Shamsi
Journal of Volcanology and Geothermal Research 389, 106745
- [Geochemistry and origin of elements in the Azarshahr travertine deposits \(Eastern Azarbaijan\)](#) 2019
B Ebrahimzadeh, M Jafarzadeh, R Bagheri, MA Salehi
Journal of Stratigraphy and Sedimentology Researches 35 (4), 55-76
- [Groundwater dating using Radioisotopes of \$^3\text{H}\$ and \$^{14}\text{C}\$ in Kashan Plain Aquifer](#) 2019
M Mirzavand, H Ghasemieh, SJ Sadatinejad, R Bagheri
Iranian journal of Ecohydrology 6 (4), 1099-1108
- [The bromine and chlorine isotope composition of primary halite deposits and their significance for the secular isotope composition of seawater](#) 2019
HGM Eggenkamp, P Louvat, P Agrinier, M Bonifacie, A Bekker, ...
Geochimica et Cosmochimica Acta 264, 13-29
- [Chemo-isotopes \(\$^{18}\text{O}\$ & \$^2\text{H}\$ \) signatures and HYSPLIT model application: Clues to the atmospheric moisture and air mass origins](#) 2019
R Bagheri, F Bagheri, GH Karami, H Jafari
Atmospheric Environment 215, 116892
- [Hydrogeochemistry and Quality Monitoring of the Gypsum-Karst Barm-e-Shour Pond in the Khuzestan Province](#) 2019
F Akbari, R Bagheri, A Nadri
Hydrogeology 4 (1), 54-69
- [Contribution of rainfall and agricultural returns to groundwater recharge in arid areas](#) 2019
H Jafari, A Sudegi, R Bagheri
Journal of Hydrology 575, 1230-1238
- [Geochemical controls on the distribution of radio-trace elements in groundwater resources of Shir-Kuh granitoid aquifer, central Iran](#) 2019
B Yazdizadeh, H Jafari, R Bagheri
Hydrology Research 50 (3), 974-989
- [Overexploitation hazards and salinization risks in crucial declining aquifers, chemo-isotopic approaches](#) 2019
R Bagheri, A Nosrati, H Jafari, HGM Eggenkamp, M Mozafari
Journal of hazardous materials 369, 150-163
- [Geochemical evolution of saline formation water of the Mozduran gas reservoir](#) 2018
M Miri, R Bagheri, MR Akhlaghi, F Sotohian
Journal of Stratigraphy and Sedimentology Researches 34 (4), 39-56
- [Saltwater intrusion vulnerability assessment using AHP-GALDIT model in Kashan plain aquifer as critical aquifer in a semi-arid region](#) 2018
M Mirzavand, H Ghasemieh, SJ Sadatinejad, R Bagheri, ID Clark
Desert 23 (2), 255-264
- [Assessment of heavy metals pollution in soils around Behshahr landfill](#) 2018
F Hosseinzade, AA Moomeni, R Bagheri
New Findings in Applied Geology 12 (24), 77-88

- [Geochemistry of groundwater from a rhyolite aquifer, Northwest Iran](#)
S Kurdehlachin, H Jafari, R Bagheri
Environmental Earth Sciences 77 (19), 1-15 2018
- [Etiology of salinity and water origin, the main dilemma of Badab Sourt, a unique travertine spring](#)
R Bagheri, H Jafari, F Bagheri 2018
Groundwater 56 (5), 753-761
- [Hydrogeology of Karstic Springs in Saldoran Anticline, Chahar Mahal and Bakhtyari Province](#)
R Bagheri, GH Karami, F Rahimi 2018
Hydrogeology 3 (1), 69-79
- [Hydrogeology of Karstic Springs in Kalaleh Region, Golestan Province](#)
GO Mirhasani, R Bagheri, Y Nik Ghogh 2018
Iranian journal of Ecohydrology 5 (2), 387-397
- [Isotope-hydrochemistry of Arnave karstic spring and Shirin dareh dam reservoir, North Khorasan](#)
F BAGHERI, GH KARAMI, R Bagheri, R NAJAFZADEH, A Rounaghi 2018
QUATERNARY JOURNAL OF IRAN 4 (3), 321-339
- [Assessing sustainability of the Bahabad aquifer, Central Iran](#)
H Jafari, M Shirafkan, R Bagheri, GH Karami 2018
Appl. Ecol. Environ. Res 16, 2585-2602
- [Origin of groundwater salinity in the Fasa Plain, southern Iran, hydrogeochemical and isotopic approaches](#)
R Bagheri, F Bagheri, HGM Eggenkamp 2017
Environmental Earth Sciences 76 (19), 1-11
- [Analysis of karst spring recession curves, west of Iran](#)
R Bagheri, H Jafari, A Momeni, F Bagheri 2016
Arabian Journal of Geosciences 9 (19), 1-12
- [Determining the groundwater potential recharge zone and karst springs catchment area: Saldoran region, western Iran](#)
GH Karami, R Bagheri, F Rahimi 2016
Hydrogeology journal 24 (8), 1981-1992
- [Application of Cl and Br Stable Isotope Variations in Understanding Origin of Aqueous Fluids in Sedimentary Basins](#)
HGM Eggenkamp, R Bagheri, M Ader, M Bonifacie, P Agrinier 2016
EAGE Workshop on Petroleum Geochemistry in Operations and Production 2016 (1 ...
- [Evaluating hydrogeochemistry and turbidity problem of a carbonate aquifer, Shiraz, Iran](#)
GH Karami, R Bagheri, F Gharehzaeh 2016
Geopersia 6 (1), 89-103
- [Assessment of physical weathering effects on granitic ancient monuments, Hamedan, Iran](#)
A Momeni, GR Khanlari, M Heidari, R Bagheri, E Bazvand 2015
Environmental Earth Sciences 74 (6), 5181-5190
- [The consequences of disposing wastewater in an endorheic wetland in southwest Iran](#)
H Jafari, R Bagheri, G Forghani, M Esmaeili 2015
Environmental monitoring and assessment 187 (6), 1-14
- [Hydrochemical and isotopic \(\$\delta^{18}O\$, \$\delta^2H\$, \$87Sr/86Sr\$, \$\delta^{37}Cl\$ and \$\delta^{81}Br\$ \) evidence for the origin of saline formation water in a gas reservoir](#)
R Bagheri, A Nadri, E Raeisi, HGM Eggenkamp, GA Kazemi, A Montaseri 2014
Chemical Geology 384, 62-75
- [Origin of brine in the Kangan gasfield: isotopic and hydrogeochemical approaches](#)
R Bagheri, A Nadri, E Raeisi, GA Kazemi, HGM Eggenkamp, A Montaseri 2014
Environmental earth sciences 72 (4), 1055-1072
- [Chemical evolution of a gas-capped deep aquifer, southwest of Iran](#)
R Bagheri, A Nadri, E Raeisi, A Shariati, M Mirbagheri, F Bahadori 2014
Environmental earth sciences 71 (7), 3171-3180
- [Hydrodynamic behavior of Kangan gas-capped deep confined aquifer in Iran](#)

A Nadri, R Bagheri, E Raeisi, SS Ayatollahi, K Bolandparvaz-Jahromi 2014
Environmental earth sciences 71 (4), 1925-1936

[Hydrochemistry and isotope \(\$\delta^{18}\text{O}\$, \$\delta^2\text{H}\$, \$87\text{Sr}/86\text{Sr}\$, \$\delta^{37}\text{Cl}\$ and \$\delta^{81}\text{Br}\$ \) applications: Clues to the origin of saline produced water in a gas reservoir](#)

R Bagheri, A Nadri, E Raeisi, HGM Eggenkamp, GA Kazemi, A Montaseri
Chem. Geol 384, 62-75

2014