

Curriculum Vita

Sedigheh Battaleb-Looie

Department of Geology, Faculty of Natural Resources, Khorramshahr University of Marine Science and Technology, Khorramshahr, Iran
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CURRENT POSITION

- Assistant Professor in Department of Marine Geology, Faculty of Natural Resources, Khorramshahr University OF Marine Science and Technology, Khorramshahr, Iran (2013-now)
- Head of Secretariat at Khorramshahr University of Marine Science and Technology, Khorramshahr, Iran(2 years and 6 month)
- Head of Marine Geology Department at School of Marine Natural resources, Khorramshahr University of Marine Science and Technology, Khorramshahr, Iran(December 2019-now)
- Head of Press Office, Khorramshahr University of Marine Science and Technology, Khorramshahr, Iran(December 2019-Now)

EDUCATION

- PhD at Environmental Geology at Shiraz University, Shiraz, Iran (2007- 2012)
- Research visiting in KTH, Royal Institute Of Technology
- MSc in Economic Geology (Shiraz University, 2003) ; Thesis title: Comparison of TM and ETM+ data in enhancement of alteration haloes of North Shahr-e-Babak, Kerman
- BSc in geology (Shahrood University of Technology, 1998)
- MBA Level 2
- Commercial Corresponding Training Certification ,Tehran, Iran
- Editing(Writing), IUP, Tehran, Iran

RESEARCH AREA

- Environmental Geology,
- Medical Geology,
- Water, Soil, Plant Pollution with Heavy Metals and Non-Heavy Metals With Focus on Fluoride and Iodine,
- Geogenic and anthropogenic pollution

COURSES TAUGHT

- **MSc**
- Medical geology,
- Environmental Impact Assessment(EIA),
- Sustainable development,
- Earth resources and effects on environment,
- Environmental geochemistry,
- Environmental sampling and analysis,
- Water pollution,
- Marine pollution,
- Supervising Msc student Theses

- **BSc**
- Land Planning,
- Weather and Climate,
- Human and environment,
- Geology,
- Supervising BS projects about environmental impacts of trace metals

LANGUAGE PROFICIENCY

ENGLISH: Writing: Well **Speaking:** Well **Reading:** Well

Kurdish: Mother tongue

Persian: Native

COMPUTER SKILLS

- **General/PC Applications:**
 - 1) **Microsoft Office.**
 - Microsoft Excel.
 - Microsoft PowerPoint.
 - Microsoft Word.
 - 2) **Photoshop**

- **Technical Applications:**
 - Phreeqc Interactive 2.8
 - SPSS Inc
 - AqQA
 - AutoCAD
 - Arcgis
 - ILWISS, Idrisi, Ermapper, Erdas Imagine

Professional SKILLS

- Field Operation Including Sampling from Water, Soil, Sediment, Plant and Rocks;
- Sample Preparation
- Statistical Analyses, Data Interpretation
- Remote Sensing: Satellite Image Processing, Data Fusion

PUBLICATION

NATIONAL

PRESENTED

- Moore, F., & Tangestani.M & Battaleb-Looie, S., (2006). Presented paper in 7th Symposium of Geological Society of Iran. Comparison of three data fusion of landsat tm for optimum enhancement of alteration haloes
- Study of fluoride in groundwater, A case study from Souri, Roomeshkan, Lorestan province.2016
- Arsenic accumulation in rice and its effect on human, a case study from Meydavood area. 2017

PUBLISHED

- Health risk assessment of exposure to arsenic in drinking, irrigation water, and rice from Meydavood, Khoozestan Province,2017 In press
- Study of Arsenic Accumulation in Rice and its Exposure Dose in Residents of Meydavood Area, Khoozestan Province, ijhe. 2017; 9 (4) :537-544.
- Study of fluoride in soil and plants in posht-e-kooh-e-dashtestan, Bushehr Province, Journal of water and soil conservation. 2018. 10.22069/jwsc.2017.12741.2743.
- The study of mercury bioavailability in sediments of petrochemical and Jafari, Bandar Imam Creeks. Journal of Environmental Science and Technology.2018. Accepted paper.
- Hydrochemical assessment of groundwater resources of Lorestan central plain, Water resource engineering, 2017, Accepted paper.

INTERNATIONAL

PRESENTED

- Three data fusion methods for optimum enhancement of alteration haloes associated with porphyritic bodies,(Northern Shahr_e_Babak) In 6th International Conference on the Geology of the Middle East, in Al-Ain, United Arab Emirates.

- Evaluation of the seasonal variation of fluoride concentration in Posht-e- Kooh-e- Dashtestan, South of IRAN accepted in the 6th European Congress in Munich in June 2009.
- Determination of fluoride source in groundwater using petrographic studies in Dashtestan area, South of Iran. Accepted in EGU2010, Austria, 02-07 MAY 2010.

PUBLISHED (ISI)

- **Battaleb-Looie**, Moore. A study of fluoride groundwater occurrence in Posht-e- Kooh-e- Dashtestan, South of Iran. **WASJ**. Volume 8 Number 10, 2010.
- **Battaleb-Looie**, Moore, Jacks, Jafari, Ozsvath. Hydrogeochemical evolution of groundwaters with excess fluoride concentrations from Dashtestan, South Of Iran. **Environmental Earth Sciences**, 2012, Volume 67, Issue 4, pp 1173-1182
- **Battaleb-Looie**, Moore, Jacks, Ketabdari. Geological sources of fluoride and acceptable intake of fluoride in an endemic fluorosis area, Southern Iran, **Environmental Geochemistry and Health**, 2012, Volume 34, Issue 5, pp 641-650.
- **Battaleb-Looie**, Moore, Malde, Jacks. Fluoride in groundwater, dates, wheat, and estimated exposure dose in the population of Bushehr. **Journal of Food Composition and Analysis**. 2013, Volume 29, Issue 2, March 2013, Pages 94-99.
- Ghazanfari, Amanipour, **Battaleb-Looie**, Darvishi . 2017. Zonation of coastal sediments based on the effective properties on the accumulation of heavy metals using the IDW and kriging method (case study: SW Iran), **Geocarto International**. 2017. DOI: 10.1080/10106049.2017.1343393.
- Maryam Ghazanfari, Shabankareh, Hakimeh Amanipoor, **Sedigheh Battaleb-Looie**, Javad Dravishi Khatooni. 2018. Statistical modeling the effect of sediment physicochemical properties on the concentration of heavy metal (Case Study: Musa Creek, SW Iran), **Environmental Earth Sciences**. 2018. 77:101.
- Maryam Safarbeiranvand, Hakimeh Amanipoor, **Sedigheh Battaleb-Looie**, Kamal Ghanemi, Behrouz Ebrahimi. Quality Evaluation of Groundwater Resources using Geostatistical Methods (Case Study: Central Lorestan Plain, Iran). 2018. **Water Resources Management**.

- M. Saeedi, H. Amanipour, S. **Battaleb-Looie**, M. Mumipour. Landfill site selection for solid drilling wastes (case study: Marun oil field, southwest Iran), 2019. **International Journal of Environmental Science and Technology**.
- M. Jahangiry Fard, H. Amanipour, S. **Battaleb-Looie**, K. Ghanemi. 2019. Evaluation of effect factors on water quality of Karun River in downstream and lake of the Gotvand-e-Olya Dam (SW Iran). **Applied Water Science**
- L. Rahimi, H. Amanipour, S. **Battaleb-Looie**. 2019. Effect of salinity of irrigation water on soil properties (Abadan plain, SW Iran). **Geocarto International**

Worked and currently working

- Fluoride and dental fluorosis in Lorestan
- Fluoride excess in south of Iran, Dayyer and Kangan(a project with geology society of Iran,GSI)
- Medical geology of (IDD) Iodine deficiency disorder in Dehdasht
- Evaluation of Heavy metals in Mianganan Wetland
- Mercury bioavailability in Mousa creek
- Heavy metal pollution on Mousa Creek, Khoozestan Province.
- Arsenic in water resources and rice in Iran: A project from Power Ministry

WORK EXPERIENCES

- Employed as assistant professor in Khorramshahr University OF Marine Science and Technology.
- Supervised Msc theses
- Reviewer: *Environmental Geochemistry and Health*. Springer
- Reviewer: *Environmental Earth Sciences*. Springer
- Worked in a project titled "**Source determination of fluoride in Posht-e-Kooh-e-Dashtestan soil and water resources and environmental impacts assessment**" financially supported by Bushehr Regional Water Authority
- Director of public and international relations in Iran University Press. 2006-2007, Tehran-Iran

- Worked in consulting engineering company (Iran-Khak), 2003, Tehran-Iran

Membership

- International Medical Geology Association (IMGA)(executive committee)
- Geological Society of Iran

Awards and honors

- Awarded as a top student of the year in the 16th Geological Society of Iran. 2012

REFERENCES

- Prof. Gunnar Jacks (gunnjack@kth.se)
- Prof. Prosun Bhattacharya (prosun@kth.se)
- Prof. Olle Selinus (olle.selinus@gmail.com)
- Prof. David Ozsvath (dozsvath@uwsp.edu)