

Education

Master of Soil Biology and Biotechnology

2017-2019

Location: University of Guilan, Rasht, Iran

GPA: 17.16/20

Thesis Topic: Investigation of phosphorus removal from Saravan's landfill leachates using ferric iron bioreduction process

Thesis Grade: 19.45/20

Supervisor: Dr. Mohammad Farhangi

Bachelor of Soil Science

2012 – 2017

Location: University of Guilan, Rasht, Iran

GPA: 14.19/20

Thesis Topic: Investigation of some physical and chemical properties of some paddy fields in Guilan province

Thesis Grade: 19.5/20

Supervisor: Dr. Safoora Asadi

Publication

Journal Papers:

- Farhangi M.B., **Ghasemzadeh Z.**, Ghorbanzadeh N., Khalilirad M., and Unc A. 2021. Phosphate removal from landfill leachate using ferric iron bioremediation under anaerobic condition. Journal of Material Cycles and Waste Management, pp.1-12. 23, pages 1576–1587.
- Parhizkar M., **Ghasemzadeh Z.**, and Shabanpour M. Reduction in soil detachment capacity by inoculation of bacillus polymyxa strain BcP26 in deforested lands. Rhizosphere (in press, accepted in 23 Dec).

Conferences:

- Farhangi M.B., **Ghasemzadeh Z.**, Ghorbanzadeh N., Khalilirad M. Competitive effect of nitrate on bioavailability of Fe (III) (in Persian)

2nd international conference on green university

University of Isfahan, Isfahan, Iran

Apr-May 2019

Research Interests

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| ■ Nitrogen and carbon cycles | ■ Microbial diversity | ■ Microbial degradation |
| ■ Soil nutrition management | ■ Environmental biotechnology | |

Work Experience

Teaching Assistant

2017-2019

University of Guilan, Iran

- **Course:** General Microbiology Lab, Soil Biology and Biochemistry Lab
- **Supervisor:** Dr. Mohammad Farhangi

Computer Skills

- SAS
- SPSS
- ArcGIS
- Python
- R (pROC, Agricola, drc packages)

Laboratory skills

- Soil Analysis
- Soil respiration
- Plant nutrition measurement
- PCR process
- Microbial cultivation
- Soil fertility

English Tests

IELTS (Academic): 6.5 (overall score)
Listening: 7, Writing: 6
Speaking: 6.5 , Reading: 6.5
Test date: 13/09/2022

Leadership Position

Editorial board member of the Ofogh Journal (Journal of Soil Science)

2020-present

Honors and awards:

Ranked 36th among more than 500 participants of soil science in master's entrance exam, Iran.

2017

Received full scholarship from University of Guilan.

2017-2019

Workshops:

6-hours workshop on Laboratory Safety and Materials
University of Guilan, Rasht, Iran

May-2019

1-day Soil Biotechnology Seminar
Biotechnology Research Institute, Rasht, Iran

December-2018

6-hours Antibioqram and its Quality Cnontrol

September-2021

Driving license:

Full

Hobbies

- Running
- Chess
- Swimming
- Horse riding

References

• Dr. Mohammad Farhangi

Assistant Professor, Department of Soil Science
University of Guilan, Rasht, Iran
Email: M.Farhangi@guilan.ac.ir

• Dr. Misagh Parhizkar

PhD, Department of Soil Science
University of Guilan, Rasht, Iran
Email: misagh.parhizkar@gmail.com