

Mohammadreza Bagheri

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Research interests:

- Coupled reactive transport modelling with the geomechanical alterations
- Geomechanics
- Cement and wellbore integrity
- Reservoir engineering
- CO₂ storage
- Numerical modeling and computerized methods
- Porous media and multiphase flow modeling

Education and Experience

September ۲۰۲۲-Present: Hakim Sabzevari University, Sabzevar, Iran

- Assistant Professor, Petroleum Engineering

July ۲۰۲۱ –Present: Shiraz University, Shiraz, Iran

- Postdoc in Petroleum Engineering
- Project: Modeling fluid behavior and prediction of the minimum miscibility pressure for CO₂ injection operations into Iranian fractured reservoirs

June ۲۰۱۹: Ecole des Ponts ParisTech- Laboratoire NAVIER, Paris, France

- Visiting researcher

September ۲۰۱۷- July ۲۰۲۱: Coventry University, Coventry, UK

- Doctor of Philosophy, Petroleum Engineering
- Thesis: Reactive Transport Modelling and Geomechanical Investigation of Wellbore Cements in CO₂ Storage Sites
- Supervisors: Assistant Prof. Seyed M. Shariatipour and Prof. Eshmaiel Ganjian

September ۲۰۱۲- August ۲۰۱۴: University of Tehran, Tehran, Iran

- Master of Science, Reservoir Engineering
- Thesis: Characterization of Reservoir Rock Heterogeneity and Distribution of Fluid Flow Properties Using Fractal Geometry
- Supervisor: Assistant Prof. Mohammadreza Rasaei

September ۲۰۰۸- August ۲۰۱۲: Sharif University of Technology, Tehran, Iran

- Bachelor of Science, Petroleum Engineering
- Thesis: Geostatistical Analysis of Well Log Data for Characterising the Structure and Heterogeneity of a Reservoir
- Supervisor: Associate Prof. Mohsen Masihi