

Mohammadmehdi Ahmadianroohbakhsh

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Education

Islamic Azad University of Estahban, Iran

2015

Geotechnical-Civil Engineering, Master's Degree.

Thesis: Parametric and Numerical Analysis of the Effect of Soil Characteristics, Geometry, and Loading on the Bearing Capacity of Anchors.

Islamic Azad University of Larestan, Iran

2007

Civil Engineering, Bachelor's Degree.

Research and teaching assistant experience

Research Assistant, Department of Civil Engineering

Islamic Azad University, Estahban branch

Sep 2018-Sep 2023

(Area of Research: soil-structure interaction, stormwater loads, and renewable energies).

Teaching Assistant, Department of Civil Engineering

Islamic Azad University, Estahban branch

Sep 2018-Sep 2023

* Grading students' assignments, quizzes, and exams.

* Assisting undergraduate students in new courses.

* Solving sample exams for students.

Soil Mechanics Laboratory Supervisor

Islamic Azad University, Estahban branch.

Sep 2018-Sep 2023

* Assisting undergraduate students in laboratory matters.

* Grading students' laboratory courses.

* Preparing detailed geotechnical reports and laboratory soil tests.

* Conducting environmental investigations, including soil and groundwater sampling.

Credentials / Certificates

TOEFL iBT Total Score: 104

Sep 2022

Engineering loss adjuster Certificate

Aug 2022

Professional Engineering License in Civil Engineering (**P.Eng**) Supervision and Execution

May 2014-present

The license of Building Design Engineering Office (**P.Eng**) Designing Concrete and Steel Structures and Retaining Structures

May 2014-present

Repairing and strengthening structures Certificate

Sep 2020

Special concretes and special concreting methods Certificate

Nov 2018

Execution and control of connections in steel structures Certificate

Aug 2017

HSE Certificate

Sep 2016

Excavation methods and types of retaining structures Certificate

Aug 2016

Materials and modern technologies of construction Certificate

May 2016

Welding and welding inspection Certificate

Nov 2013

Advanced Sap Certificate

Aug 2012

Advanced ETABS Certificate
Advanced AutoCAD Certificate

Jun 2012
May 2010

Skills

Software
Skills

MATLAB
ETABS
SAP
SAFE
MS Office (Word, Excel, and PowerPoint)
GEOSLOPE
PLAXIS
REVIT
Autocad

Work Experience

Engineering loss adjuster, *Saman Insurance Co.* 2018–Sep 2023

- * Engineering loss adjuster in third-party liability insurance.
- * Determining project risk for third-party liability insurance.

(PE license-Engineering License), *Association of Professional Engineers of Iran.* 2014–present

- * Designer of concrete and steel structures.
- * Supervisor of structural drawings for Residential and Commercial buildings.
- * Excavation Supervisor of Residential and Commercial buildings.
- * Preparing Static and Seismic Embankment Slope Stability and Settlement Analyses.
- * Designing of retaining structures.
- * Designing of spread, strip, mat, and deep foundations.

Water/Wastewater Engineer, *Sepehr Asa Rokh Co.* 2013–2016

- * Managing and maintaining water and sewerage infrastructure operations.
- * Conducting environmental studies regarding the collection, treatment, or distribution of water or wastewater.
- * Conducting feasibility studies for the construction of facilities, such as water supply systems, runoff collection networks, water, and wastewater treatment plants, or wastewater collection systems.

Site Manager, *Sazman Omran Co.* 2011–2013

- * Supervisor of cast-in-situ piles and bridges.
- * Supervisor of construction drawings of roads, foundations, buildings, piping, and earthwork Plans.
- * Supervisor of concrete and steel inspections, performing fresh concrete testing including slump and air content.
- * Performed soil classification, estimated engineering soil properties, and seismic site class.

Civil Engineer, *Parakoohe Co. (2009-2011), Banasazan Co. (2007-2009)* 2007–2011

- * Generated or check structural analysis calculations, drawings, reports, and specifications.
- * Followed up Compressive Strength Of Concrete results and inserted the results in database.
- * Planned and coordinated all on-site construction activities.

Publications

26 January 2023 1- Ahmadianroohbakhsh, M.; Fahool, F.; Pour, M.S.S.; Mojtahedi, S.F.F.; Ghorbanirezaei, B.; Nehdi, M.L. Approximating Helical Pile Pullout Resistance Using Metaheuristic-Enabled Fuzzy Hybrids. *Buildings* **2023**, *13*(2), 347; <https://doi.org/10.3390/buildings13020347>