



Assist. Prof. Dr. MOHSEN SEYEDİ

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Mohsen Seyedi

JAC-2306-2023

EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Istanbul Technical University	Earthquake Engineering	2014 - 2021
Master's Degree	Mohaghegh Ardabili University	Earthquake Engineering	2010 - 2012
Bachelor's Degree	Mohaghegh Ardabili University	Civil Engineering	2004 - 2008

RESEARCH AREAS

Geotechnical Earthquake Engineering

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Vice Chair of Civil Engineering Department	Altınbaş University	Civil Engineering	2023 -

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
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ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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BOOKS

ARTICLES

An Empirical Function to Predict the Liquefaction-Induced Uplift of Circular Tunnels

SEYEDİ MOHSEN

Transportation Infrastructure Geotechnology, 2024

[International](#) DOI: 10.1007/s40515-024-00400-y

Enhancing Geotechnical Properties of Clayey Soil with Recycled Plastic and Glass Waste

Adnan Shakir Al-Mohammed Amenah, SEYEDİ MOHSEN

Revue des composites et des matériaux avancés, 2023

[International](#) DOI: 10.18280/rcma.330603

Numerical Analysis of Geogrids and Recycled Concrete Aggregate for Stabilizing Road Embankments

Abdulkareem Mohammed AL-DULAIMI Marwa, SEYEDİ MOHSEN

Annales de Chimie - Science des Matériaux, 2023

[International](#) DOI: 10.18280/acsm.470404

Partial Saturation as a Liquefaction Countermeasure: A Review

SEYEDİ MOHSEN, BAYAT ESRA ECE

Springer Science and Business Media LLC, 2021

[International](#) DOI: 10.1007/s10706-021-01926-5

ARTICLES

An alternative empirical function to predict air–water mixture bulk modulus for numerical modeling of liquefaction behavior of induced partially saturated sands

SEYEDI MOHSEN, BAYAT ESRA ECE
Springer Science and Business Media LLC, 2021
[International](#) DOI: 10.1007/s10518-021-01058-4

A Numerical Assessment of the Efficiency of Partial Saturation as a Countermeasure Against Liquefaction-Induced Uplift of Tunnels

S Duraid Abdullah Al-Khateeb, M Jasim Khammas Issa, Mohsen Seyedi
Journal of Earthquake Engineering, 2024
[International](#) DOI: <https://doi.org/10.1080/13632469.2024.2434528>

Impact of train-induced vibrations on residents' comfort and structural damages in buildings

Mohsen Seyedi
Journal of Vibration Engineering & Technologies, 2024
[International](#) DOI: <https://doi.org/10.1007/s42417-024-01513-x>

Numerical evaluation of pile-driving-induced vibrations in soil and their impact on adjacent structures

Marwan Abdelsalam , Mohsen Seyedi
Journal of Civil and Hydraulic Engineering, 2025
[International](#) DOI: <https://doi.org/10.56578/jch e030103>

Assessment of Haditha Dam Surface Area and Catchment Volume and Its Capacity to Mitigate Flood Risks for Sustainable Development

Raad F Hasan, Mohsen Seyedi, Riyadh Alsultani
Mathematical Modelling of Engineering Problems, 2024
[International](#) DOI: 10.18280/mmep.110728

Dynamic responses of embankment dams, constituted from varied soil types, to seismic activity

Mohammad Shouib Anwar Khan , Mohsen Seyedi
Acadlore Transactions on Geosciences, 2023
[International](#) DOI: <https://doi.org/10.56578/atg 020305>

An Assessment of a Modal Pushover Method Based On 2DOF Modal System for Tall Asymmetric-Plan Buildings

Seyyed Mohsen Seyyedi Viand, Kazem Shakeri, Hossein Vakili, Mehrdad Azadi Hir
Journal of Civil Engineering and Urbanism, 2013
[International](#)

An Investigation of Efficiency and Accuracy of Energy-Based Capacity Spectrum in Estimating the Seismic Demands of Buildings

Hossein Vakili, Kazem Shakeri, Seyed Mohsen Seyedi Viand, Mehrdad Azadi Hir
Journal of Civil Engineering and Urbanism, 2013
[International](#)

Liquefaction Behavior of Suction Bucket Foundations for Wind Turbines Under Soil Variability

Jasim Khammas Issa, M.; Abdelsalam, M.; Hashim Khudhair, L.; Seyedi, M.; Anwar Khan, M.S.
Geotechnical and Geological Engineering, 2025
[International](#) DOI: <https://doi.org/10.1007/s10706-025-03129-8>

A Modified Empirical Model for Predicting Liquefaction in Partially Saturated Sands

Seyedi, M.; Eseller-Bayat, E.E.
Geotechnical and Geological Engineering, 2025
[International](#) DOI: <https://doi.org/10.1007/s10706-025-03121-2>

PROCEEDINGS

PROCEEDINGS

Numerical Modelling of Liquefaction Tests of Partially Saturated Sands in CSSLB

SEYEDİ MOHSEN, BAYAT ESRA ECE

Advances in Laboratory Testing and Modelling of Soils and Shales, 2017

International

DEPREMDEN ETKİLENEN TÜNEL ZEMİNİNİN DİNAMİK DAVRANIŞI

ÖZASLAN BİLAL, KARADOĞAN ÜMİT, SEYEDİ MOHSEN, Evrim GÜLEY Evrim, Massahfard Maryam, MOKHBERIOSKOU EI LEILA, ERKEN AYFER

Doğal Afet ve Afet Yönetimi Sempozyumu (DAAYS'16), 2016

National

Numerical modelling of liquefaction tests of fully saturated sands in CSSLB

SEYEDİ MOHSEN, BAYAT ESRA ECE

4 th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 2016

International

Investigating the Effect of Polyamine Fatty Acid on the Moisture Sensitivity of Warm Mix Asphalt Mixtures

Naimi, S.; Saeedi, S.; Seyedi, M.

ICEARC 25- 4th International Civil Engineering & Architecture Conference,

International

PROJECTS

The Dynamic Behavior of Liquefiable Soils Under Existing or New Buildings Improved by "Induced Partial Saturation (IPS)" Method to Prevent Liquefaction During an Earthquake (Researcher)

TÜBİTAK Project, 01.09.2015 - 29.07.2017

National Completed

THESIS SUPERVISION

Dynamic response of foundation under vibrating machines

ISMAEL AMADOU DJIBO

2024 Master's Degree

Numerical modelling of flow through an embankment using plaxis 2d

MOHAMMAD SHOUIB ANWAR KHAN

2024 Master's Degree

TRAIN-INDUCED VIBRATION IN BRIDGE PIERS

FATİH ÇAKTUR

2024 Master's Degree

Numerical assessment of tunnel shape for liquefaction- induced uplift

SAMI BAKOUR

2023 Master's Degree

Using BIM tools to design connections between the foundation to the industrial structures

SARAH DAHHAM SALIM

2023 Master's Degree

Performance management of green sustainable building based on topsis technique

HUSSEIN HAMID JAWAD

2023 Master's Degree

Monitoring and evaluating risk effect in construction project in Iraq using multi-criteria decision

MOHAMMED JASIM ISSA

2023 Master's Degree

THESIS SUPERVISION

Measurement and ranking of human factors affecting the increase in cost and time of construction projects in Bbaghdad using ahp and topsis techniques

MOHAMMED HAMMADI

2023 Master's Degree

Using modern technologies in preparing construction project schedules

HADEEL SAFAA HAMDI

2023 Master's Degree

Building project evaluation based on period and expenditures relationship

BAYDAA ALAZZAWI

2023 Master's Degree

The role of conceptual safety management in the construction project and its impact on productivity

DOAA JAWAD

2023 Master's Degree

Numerical simulation of different methods for road embankment stabilization

MARWA ABDULKAREEM MOHAMMED AL-DULAIMI

2023 Master's Degree

The effect of variation orders on claims under construction contracts in Iraq

DINA KAMAL

2023 Master's Degree

Civil project management and its impact on the implementation of infrastructure projects in Iraq - Salah Al-Din case study

OBAYDA AL MULEES

2023 Master's Degree

Numerical study to evaluate the lateral resistance of pile embedded in Basra soil

HAIDER MAJEED HASSAN AL-ABYAWI

2023 Master's Degree

Numerical modelling of mitigation of liquefaction – induced uplifts in tunnels

AHMED J S SULAIMAN

2022 Master's Degree

Analysis and modelling the hydrological performance of reservoirs in north of Iraq

HAYDER AL KHAFAJI

2022 Master's Degree

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	İNŞ350	TEMEL MÜHENDİSLİĞİ
Bachelor's Degree	İNŞ311	ZEMİN MEKANİĞİ
Bachelor's Degree	CVE333	STRENGTH OF MATERIALS II
Bachelor's Degree	CVE236	STRENGTH OF MATERIALS FOR ARCHITECTURE
Bachelor's Degree	CVE350	FOUNDATION ENGINEERING
Bachelor's Degree	CVE203	EARTH SCIENCES FOR CIVIL ENGINEERING
Bachelor's Degree	CVE221	CIVIL ENGINEERING MATERIALS
Bachelor's Degree	CVE102.1	ENGINEERING MECHANICS I
Master's Degree	CVE525	ADVANCED FOUNDATION ENGINEERING
Master's Degree	CVE599	MASTER THESIS

PERSONAL INFORMATION**CONTACT INFORMATION**

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