

Lect. MUHAMMET CEYLAN

Personal Information

Email: muceylan@gelisim.edu.tr

Web: <https://avesis.gelisim.edu.tr/muceylan>

International Researcher IDs

ORCID: 0000-0001-6258-9314

Yoksis Researcher ID: 351341

Education Information

Doctorate, Gebze Technical University, Fen Bilimleri Enstitüsü, Deprem Ve Yapı Mühendisliği (Dr), Turkey 2020 - Continues

Postgraduate, Pamukkale University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2017 - 2020

Undergraduate, Pamukkale University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2012 - 2016

Dissertations

Postgraduate, İçme suyu boru hasarlarının detaylı incelenmesi: Christchurch depremi örneği, Pamukkale University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2020

Research Areas

Civil Engineering, Geotechnical, Soil Dynamics

Academic Titles / Tasks

Lecturer, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, CONSTRUCTION TECHNOLOGY, 2021 - Continues

Researcher, University of Colorado at Boulder, Department of Civil, Environmental and Architectural Engineering, Civil Engineering, 2023 - 2024

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- Impact of Seismic Geohazards on water supply systems and pipeline performance: Insights from the 2023 Kahramanmaras Earthquakes**
Toprak S., Wham B. P., Nacaroglu E., Ceylan M., Dal O., Senturk A. E.
Engineering Geology, vol.340, 2024 (SCI-Expanded)
- The aftermath of 2023 Kahramanmaras earthquakes: evaluation of strong motion data, geotechnical, building, and infrastructure issues**

Toprak S., Zulfikar A. C., Mutlu A., Tugsal U. M., Nacaroglu E., Karabulut S., CEYLAN M., Ozdemir K., Parlak S., Dal O., et al.
Natural Hazards, 2024 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of Ground Strain and Pipeline Orientation on Pipeline Damage during Earthquakes**
TOPRAK S., NACAROĞLU E., CEYLAN M., OROURKE T. D.
Lifelines 2022, California, United States Of America, 31 January 2022, pp.489-499
- II. **Progress on the Assessment of Buried Pipeline Response to Ground Displacements**
TOPRAK S., NACAROĞLU E., CEYLAN M.
Innovative Solutions for Geotechnical Problems" in Honour of Prof. Erol Guler, İstanbul, Turkey, 25 May 2022
- III. **2011 Christchurch, Yeni Zelanda Depreminde Oluşan Boru Hasarları ve Modellerle Karşılaştırılması**
TOPRAK S., NACAROĞLU E., CEYLAN M., Dündar G.
Conference: 9th Turkish Conference on Earthquake Engineering, Turkey, 02 June 2021
- IV. **Pipe type and seismic performance in Christchurch, New Zealand**
TOPRAK S., NACAROĞLU E., CEYLAN M.
ICNACE CONFERENCE, Cyprus (Kktc), 08 November 2019
- V. **K-Ortalamlar Kümeleme Analizi Yöntemiyle Deprem Kaynaklı Boru Hasarlarının İncelenmesi**
TOPRAK S., NACAROĞLU E., Dündar G., CEYLAN M.
MÜHJEO'2019: Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, 08 October 2019

Supported Projects

Ceylan M., TUBITAK Project, DETAILED BEHAVIOR ANALYSIS FOR PIPELINES BURIED IN LIQUEFIABLE SOILS, 2023 - 2024