

Prof. BERNA UNUTMAZ

Personal Information

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International Researcher IDs

ORCID: 0000-0002-0242-1402

Publons / Web Of Science ResearcherID: N-9051-2018

Yoksis Researcher ID: 154198

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği Bölümü/Geoteknik Abd, Turkey 2003 - 2008

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, İnşaat Mühendisliği Bölümü/Geoteknik Abd, Turkey 2000 - 2003

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1995 - 2000

Foreign Languages

English, C1 Advanced

Research Areas

Civil Engineering, Geotechnical, Foundation Engineering, Soil Mechanics, Soil Dynamics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2014

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2008 - 2013

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2002 - 2008

Academic and Administrative Experience

Hacettepe Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2016 - Continues

Hacettepe Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2014 - Continues

Kocaeli Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2011 - 2014

Courses

Temel Mühendisliği, Undergraduate, 2017 - 2018, 2016 - 2017
İnşaat Yönetimi, Undergraduate, 2017 - 2018, 2016 - 2017
Geoteknik Tasarım, Undergraduate, 2017 - 2018
TEKNİK RESİM, Undergraduate, 2017 - 2018, 2016 - 2017
Zemin Mekaniği, Undergraduate, 2017 - 2018, 2016 - 2017
Temel Mühendisliği II, Undergraduate, 2017 - 2018

Advising Theses

UNUTMAZ B., Kazıkların eşdeğer dinamik yükler altındaki davranışının modellenmesi, Postgraduate, M.COŞKUN(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The role of site effects on elevated seismic demands and corollary structural damage during the October 30, 2020, M7.0 Samos Island (Aegean Sea) Earthquake**
ÇETİN K. Ö., Papadimitriou A. G., ALTUN S., Pelekis P., UNUTMAZ B., Rovithis E., AKGÜN M., Klimis N., ASKAN GÜNDOĞAN A., Ziotopoulou K., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.20, no.14, pp.7763-7792, 2022 (SCI-Expanded)
- II. **Geotechnical reconnaissance findings of the October 30 2020, Mw7.0 Samos Island (Aegean Sea) earthquake**
Ziotopoulou K., ÇETİN K. Ö., Pelekis P., ALTUN S., Klimis N., SEZER A., Rovithis E., YILMAZ M. T., Papadimitriou A. G., GÜLERCE Z., et al.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.20, no.14, pp.7819-7852, 2022 (SCI-Expanded)
- III. **The site effects in Izmir Bay of October 30 2020, M7.0 Samos Earthquake**
ÇETİN K. Ö., ALTUN S., ASKAN GÜNDOĞAN A., AKGÜN M., SEZER A., KINCAL C., ÖZDAĞ Ö. C., Ipek Y., UNUTMAZ B., GÜLERCE Z., et al.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)
- IV. **Predictive performance of current ground motion models for recorded strong motions in 2020 Samos Earthquake**
GÜLERCE Z., Akbas B., ÖZACAR A. A., Sopaci E., Onder F. M., UZEL B., CAN G., ÇAKIR E., ILGAÇ M., SÖYLEMEZ B., et al.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.152, 2022 (SCI-Expanded)
- V. **Application of finite difference method in determination of static shear stress influence on soil liquefaction**
UNUTMAZ B.
GRADEVINAR, vol.71, no.12, pp.1143-1151, 2019 (SCI-Expanded)
- VI. **Effects of basements and adjacent structures on liquefaction-triggering potential of foundation soils**
UNUTMAZ B.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.16, no.7, pp.2757-2773, 2018 (SCI-Expanded)
- VII. **Liquefaction potential of soils around circular double tunnels**
UNUTMAZ B.
BULLETIN OF EARTHQUAKE ENGINEERING, vol.14, no.2, pp.391-411, 2016 (SCI-Expanded)

Supported Projects

UNUTMAZ B., TUBITAK Project, Netcon Yapım Bilgi Sistemi, 2015 - Continues

UNUTMAZ B., Project Supported by Higher Education Institutions, Geoteknik ve Yapı Mühendisliği Konferansı, 2016 - 2016

UNUTMAZ B., Project Supported by Higher Education Institutions, 6. Geoteknik Sempozyumu, 2015 - 2016

Metrics

Publication: 7

Citation (WoS): 2

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1

Non Academic Experience

Kocaeli Üniversitesi

Kocaeli Üniversitesi

ODTÜ İnşaat Mühendisliği