

## Assoc. Prof. YEŐİM SEMA ÜNSEVER GÜLER

### Personal Information

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### International Researcher IDs

ScholarID: ifuOZ6kAAAAJ

ORCID: 0000-0003-3735-9554

Publons / Web Of Science ResearcherID: AAH-4344-2021

ScopusID: 55940574000

Yoksis Researcher ID: 155412

### Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2007 - 2015

Postgraduate, Middle East Technical University, Faculty Of Engineering, Turkey 2004 - 2007

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1999 - 2004

### Dissertations

Doctorate, An experimental study on static and dynamic behaviour of model pile foundations, Middle East Technical University, 2015

Postgraduate, An Analysis Of Deformation Behavior Of Muratli Asphalt Faced Rockfill Dam, Middle East Technical University, Graduate School Of Natural And Applied Sciences, inşaat mühendisliđi, 2007

### Research Areas

Civil Engineering, Geotechnical, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, Mühendislik Fakültesi, İnşaat Mühendisliđi, 2024 - Continues

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĐİ, 2016 - Continues

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 2005 - 2015

Researcher, Kanazawa University, Mühendislik Fakültesi, İnşaat Mühendisliđi, 2012 - 2013

### Academic and Administrative Experience

Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - Continues  
Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2016 - 2019

## Courses

Temellerin Tasarımı, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Derin Kazılar ve Dayanma Yapıları, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Zemin Mekaniği I, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
İleri Zemin Mekaniği, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Geoteknik Mühendisliğinde Bilgisayar Uygulamaları, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Arazi Deneyleri ve Geoteknik Tasarım, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018  
Zemin Dinamiği ve Temel Tasarımı, Doctorate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Zemin Mekaniği II, Undergraduate, 2016 - 2017

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Cement and Fly Ash on the Improvement of Fine Sand Soil**  
Yazici E., ÜNSEVER GÜLER Y. S.  
APPLIED SCIENCES-BASEL, vol.14, no.7, 2024 (SCI-Expanded)
- II. **Performance assessment of recycled waste materials for use in unbound pavement Layers: A case study from Turkey**  
Aytekin B., MARDANI A., Unsever Y. S.  
CONSTRUCTION AND BUILDING MATERIALS, vol.402, 2023 (SCI-Expanded)
- III. **Evaluation of high plasticity clay stabilization methods for resisting the environmental changes**  
Taleb T., ÜNSEVER GÜLER Y. S.  
GEOMECHANICS AND ENGINEERING, vol.30, no.5, pp.461-469, 2022 (SCI-Expanded)
- IV. **Study on Strength and Swell Behavioral Change and Properties of the Clay-Fiber Mixtures**  
Taleb T., ÜNSEVER GÜLER Y. S.  
SUSTAINABILITY, vol.14, no.11, 2022 (SCI-Expanded)
- V. **Behaviour of model pile foundations under dynamic loads in saturated sand**  
Unsever Y. S., Matsumoto T., Esashi K., Kobayashi S.  
BULLETIN OF EARTHQUAKE ENGINEERING, vol.15, no.4, pp.1355-1373, 2017 (SCI-Expanded)
- VI. **Numerical analyses of load tests on model foundations in dry sand**  
Unsever Y. S., Matsumoto T., ÖZKAN M. Y.  
COMPUTERS AND GEOTECHNICS, vol.63, pp.255-266, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Static Analyses Of The Effect Of Deep Excavation On The Behaviour Of An Adjacent Pile In Sand**  
Ashour S., ÜNSEVER GÜLER Y. S.  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.27, no.2, pp.627-646, 2022 (Peer-Reviewed Journal)
- II. **An experimental study on the stabilization of a clay soil with construction wastes and lime**  
Diallo M. L., ÜNSEVER Y. S.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.26, no.6, pp.1030-1034, 2020 (ESCI)
- III. **Çimento Ve Polipropilen Lif Kullanarak Düşük Plastisiteli Kil Zeminlerin İyileştirilmesi**  
Şahbaz İ., ÜNSEVER Y. S.

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.25, no.3, pp.1409-1420, 2020 (Peer-Reviewed Journal)

- IV. **Büyükkuşla Barajı'nda Bulamaç Hendeği Yöntemi ile Geçirimsizlik Perdesi Uygulaması ve Sızma Analizi**  
Çakır E. N., Ünsever Y. S.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.3, pp.974-980, 2019 (Peer-Reviewed Journal)
- V. **STABILIZATION OF CLAY SOILS USING FLY ASH**  
Diallo M. L., ÜNSEVER Y. S.  
Black Sea Journal of Engineering and Science, vol.2, no.3, pp.81-87, 2019 (Peer-Reviewed Journal)
- VI. **Static Cyclic Load Tests on Model Foundations in Dry Sand**  
ÜNSEVER Y. S., Matsumoto T., Shimono S., Özkan M. Y.  
GEOTECHNICAL ENGINEERING, vol.45, no.2, pp.40-51, 2014 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **İKSA SİSTEMİNİN PLAXİS SONLU ELEMANLAR YÖNTEMİ İLE ANALİZİ : ÖRNEK BİR VAKA**  
Özdemir H. B., ÜNSEVER GÜLER Y. S.  
12. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 23 - 25 December 2023
- II. **MERMER TOZU VE ÇİMENTO İLE İYİLEŞTİRİLEN İNCE KUM ZEMİNLERDE RÖLATİF SIKILIĞIN KAYMA DAYANIMI ÜZERİNDEKİ ETKİSİ**  
Kebe A., ÜNSEVER GÜLER Y. S.  
BÜLTEK-VII INTERNATIONAL SYMPOSIUM ON CURRENT DEVELOPMENTS IN SCIENCE, TECHNOLOGY AND SOCIAL SCIENCES, Ankara, Turkey, 26 May 2023, pp.259-266
- III. **İNCE KUM ZEMİNLERDE UÇUCU KÜLÜN ZEMİN ÖZELLİKLERİ ÜZERİNDEKİ ETKİSİNİN İNCELENMESİ**  
Yazıcı E., Ünsever Güler Y. S.  
9. Uluslararası Mühendislik, Mimarlık ve Tasarım Kongresi, İstanbul, Turkey, 14 - 16 May 2022, pp.663-669
- IV. **İnce Kum Zeminlerde Uçucu Külün Zemin Özellikleri Üzerindeki Etkisinin İncelenmesi**  
Yazıcı E., ÜNSEVER GÜLER Y. S.  
9. Uluslararası Mühendislik, Mimarlık ve Tasarım Kongresi, İstanbul, Turkey, 14 - 15 May 2022, pp.663-669
- V. **Effect of Polypropylene Fibers on Physical and Strength Properties of Local Clayey Soil**  
Taleb T., ÜNSEVER GÜLER Y. S.  
14th International Congress on Advances in Civil Engineering-ACE 2020-2021, İstanbul, Türkiye, İstanbul, Turkey, 6 - 08 September 2021
- VI. **Ön yüzü beton kaplı kaya dolgu barajı olan Büyükkuşla barajı' nın tasarım esasları**  
Çakır E. N., ÜNSEVER Y. S.  
4th International Conference on Civil, Environmental, Geology and Mining Engineering, Trabzon, Turkey, 21 - 22 April 2019
- VII. **ADVANTAGES OF PILED RAFTS OVER PILE GROUPS OBSERVED IN MODEL LOAD TESTS IN DRY AND SATURATED SAND GROUNDS**  
Matsumoto T., ÜNSEVER Y. S., Vu A.  
Proceeding of PILE 2017, Bali, Indonesia, Balvi, Latvia, 26 - 27 September 2017
- VIII. **Shaking table test of model foundations in saturated sand**  
ÜNSEVER Y. S., Tatsunori M., Esashi K.  
19th International Conference on Soil Mechanics and Geotechnical Engineering, Seoul, South Korea, 18 - 21 September 2017
- IX. **The Effect of Vertical Loading on Static Cyclic Horizontal Loading of a Capped Pile in Model Sand Ground**  
ÜNSEVER Y. S., Matsumoto T., Özkan M. Y.  
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016
- X. **The behavior of piled raft model foundation under low frequencysinusoidal waves in dry sand**

ÜNSEVER Y. S., Tatsunori M.

4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Nicosia, Cyprus (Kkctc), 2 - 04 June 2016, pp.511-518

- XI. **Shaking Table Tests of Piled Raft and Pile Group Foundations in Dry Sand**  
ÜNSEVER Y. S., MATSUMOTO T., SHİMONO S.  
6th International Conference on Earthquake Geotechnical Engineering, Christchurch, New Zealand, 1 - 04 November 2015
- XII. **Physical and Numerical Modelling of Pile Foundations Subjected to Vertical and Horizontal Loading in Dry Sand**  
ÜNSEVER Y. S., M YENER Ö., MATSUMOTO T., SHİMONO S., ESASHI K.  
14th International Conference of the International Association for Computer Methods and Advances in Geomechanics, Kyoto, Japan, 22 - 25 September 2014
- XIII. **Cyclic horizontal load experiments on model pile foundations in dry sand Part 2: Experimental results**  
ÜNSEVER Y. S., Kawamori M., Tatsunori M., Kobayashi S., Shimono S.  
48th Japan National Conference on Geotechnical Engineering, Toyama, Japan, 1 - 03 July 2013
- XIV. **Cyclic horizontal load tests of single pile, pile group and piled raft in model dry sand**  
ÜNSEVER Y. S., Kawamori M., Tatsunori M., Shimono S.  
18th Southeast Asian Geotechnical Conference, Singapore, Singapore, 13 - 15 May 2013
- XV. **23 October 2011 Van-Tabanlı earthquake (Mw=7.1) geotechnical field observations**  
GÜLERCE Z., ÇETİN K. Ö., YILMAZ M. T., HUVAJ SARIHAN N., ÜNSEVER Y. S., ÜNSAL ORAL S., SANDIKKAYA M. A.  
10th International Congress on Advances in Civil Engineering, Ankara, Turkey, 10 - 12 October 2012
- XVI. **Geotechnical field observations from 23 October 2011 Van earthquake (Mw=7.1)**  
GÜLERCE Z., ÇETİN K. Ö., YILMAZ M. T., HUVAJ SARIHAN N., ÜNSEVER Y. S., ÜNSAL ORAL S., SAĞLAM S., SANDIKKAYA M. A.  
SSA 2012 Annual Meeting, San Diego/CA, United States Of America, 1 - 03 April 2012
- XVII. **The deformation behavior of Muratlı asphalt faced rockfill dam**  
ÜNSEVER Y. S., Özkan M. Y., Yıldız G. S.  
ASCE Geocongress, Oakland/Kalifornya, 12 - 15 March 2012
- XVIII. **Dolgu barajların davranışı: Muratlı ve Borçka barajları örnek çalışma**  
ÜNSEVER Y. S., Yıldız G. S., Özkan M. Y.  
İnşaat Mühendisleri Odası 3. Geoteknik Sempozyumu, Adana, Turkey, 1 - 03 December 2009
- XIX. **Muratlı kaya dolgu barajı' nın deformasyon davranışı analizi**  
ÜNSEVER Y. S., Yıldız G. S., Özkan M. Y.  
İnşaat Mühendisleri Odası 2. Geoteknik Sempozyumu, Adana, Turkey, 1 - 03 November 2007
- XX. **Muratlı barajı' nın inşaat ve su tutma sırasında davranışının incelenmesi**  
ÜNSEVER Y. S., Yıldız G. S., Özkan M. Y.  
1. Ulusal Baraj Güvenliği Sempozyumu ve Sergisi, Ankara, Turkey, 10 - 11 May 2007

## Supported Projects

ÜNSEVER GÜLER Y. S., AYTEKİN B., MARDANI AGHABAGLOU A., Project Supported by Higher Education Institutions, GERİ DÖNÜŞTÜRÜLMÜŞ BETON AGREGALARIN YOL DOLGULARINDA KULLANABİLİRLİĞİNİN ARAŞTIRILMASI, 2021 - 2022

## Metrics

Publication: 32

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H-Index (WoS): 3

H-Index (Scopus): 4