

Assoc. Prof. NAZLI TUNAR ÖZCAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey 2009 - 2015

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey 2006 - 2009

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği, Turkey 2000 - 2006

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, KAYSERİ CİVARINDAKİ TURBA ZEMİNLERİN JEOMEKANİK KARAKTERİSTİKLERİNİN VE DİNAMİK DAVRANIŞLARININ ARAZİ, LABORATUVAR VE SAYISAL MODELLEME TEKNİKLERİYLE ARAŞTIRILMASI, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2015

Postgraduate, Lahanos (Giresun) Bakır-Çinko Tesisi Atık Barajının Şev Duraylılığı Açısından Değerlendirmesi, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2009

Research Areas

Geological Engineering, Applied Geology, Soil Mechanics, Rock Mechanics

Academic Titles / Tasks

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2024 - Continues

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2006 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- The movement pattern changes of population following a disaster: Example of the Aegean Sea earthquake of October 2020**

VAROL ÖZDEN Ç., Hayrullahoglu G., Soylemez E., SAT N. A., VAROL MURATÇAY E., TUNAR ÖZCAN N.

INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION, 2024 (SCI-Expanded)

- II. **Hybrid ensemble paradigms for estimating tunnel boring machine penetration rate for the 10-km long Bahce-Nurdagi twin tunnels**
Bardhan A., TUNAR ÖZCAN N., Asteris P. G., GÖKÇEOĞLU C.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, 2024 (SCI-Expanded)
- III. **Analysis of landslide susceptibility and potential impacts on infrastructures and settlement areas (a case from the southeastern region of Türkiye)**
GÖKÇEOĞLU C., KARAKAŞ G., TUNAR ÖZCAN N., Elibuyuk A., KOCAMAN GÖKÇEOĞLU S.
ENVIRONMENTAL EARTH SCIENCES, no.10, 2024 (SCI-Expanded)
- IV. **Analysis of landslide susceptibility prediction accuracy with an event-based inventory: The 6 February 2023 Türkiye earthquakes**
Karakas G., Unal E. O., Cetinkaya S., Ozcan N., Karakas V. E., Can R., GÖKÇEOĞLU C., KOCAMAN GÖKÇEOĞLU S.
Soil Dynamics and Earthquake Engineering, vol.178, 2024 (SCI-Expanded)
- V. **A Novel Approach for Assessing the Performance of Offshore Ground Improvement in Floating Storage and Regasification Unit (FSRU) Terminal Construction**
TUNAR ÖZCAN N., GÖKÇEOĞLU C.
Applied Sciences (Switzerland), vol.13, no.16, 2023 (SCI-Expanded)
- VI. **An adaptive neuro fuzzy inference system (ANFIS) model to predict the pozzolanic activity of natural pozzolans**
VAROL MURATÇAY E., Benzer D., Özcan N.
Computers and Concrete, vol.31, no.2, pp.85-95, 2023 (SCI-Expanded)
- VII. **Thermal effect on the geo-engineering characteristics of a rock salt**
Özcan N.
PloS one, vol.18, no.3, 2023 (SCI-Expanded)
- VIII. **Geo-engineering characterization and an approach to estimate the in-situ long-term settlement of a peat deposit at an industrial district**
Ozcan N., ULUSAY R., IŞIK N. S.
ENGINEERING GEOLOGY, vol.265, 2020 (SCI-Expanded)
- IX. **An approach to predict the length-to-diameter ratio of a rock core specimen for uniaxial compression tests**
Tuncay E., Özcan N., Kalender A.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.78, no.7, pp.5467-5482, 2019 (SCI-Expanded)
- X. **Assessment of dynamic site response of the peat deposits at an industrial site (Turkey) and comparison with some seismic design codes**
Ozcan N., Ulusay R., Isik N. S.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.78, no.4, pp.2215-2235, 2019 (SCI-Expanded)
- XI. **A study on geotechnical characterization and stability of downstream slope of a tailings dam to improve its storage capacity (Turkey)**
Ozcan N., ULUSAY R., Isik N. S.
ENVIRONMENTAL EARTH SCIENCES, vol.69, no.6, pp.1871-1890, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Performance Assessment of Deep Soil Mixing Columns Against Liquefaction Problem in a Railway Embankment**
Can A., Celenk B., Mursal U., TUNAR ÖZCAN N., GÖKÇEOĞLU C.
Indian Geotechnical Journal, 2024 (ESCI)
- II. **İskilip (Çorum) Civarının Kaya Düşmesi Potansiyelinin Değerlendirilmesi**

TUNAR ÖZCAN N.

Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.15, no.1, pp.219-232, 2023 (Peer-Reviewed Journal)

III. **Yapay Sinir Ağı Kullanılarak CPT Tabanlı Sıvılaşma Değerlendirme Abağının Geliştirilmesi.**

Bora S., DAĞDELENLER G., TUNAR ÖZCAN N., ERCANOĞLU M., SÖNMEZ H.

YERBİLİMLERİ = EARTH SCIENCES, vol.36, no.2, pp.45-60, 2015 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **CO-SEISMIC LANDSLIDE BASED VALIDATION OF SUSCEPTIBILITY MAPPING AFTER KAHRAMANMARAS EARTHQUAKES (FEB 6, 2023) IN AMANOS MOUNTAINS**
Karakas G., Unal E. O., TUNAR ÖZCAN N., Cetinkaya S., Can R., Gokceoglu C., KOCAMAN GÖKÇEOĞLU S.
5th International-Society-for-Photogrammetry-and-Remote-Sensing (ISPRS) Geospatial Week (GSW), Cairo, Egypt, 2 - 07 September 2023, pp.429-436
- II. **Static and Dynamic Stability of Rock Boulders on Slopes**
Aydan Ö., Murayama Y., Ito T., TUNAR ÖZCAN N.
Eurock 2022 Symposium: Rock and Fracture Mechanics in Rock Engineering and Mining, Helsinki, Finland, 11 - 15 September 2022, vol.1124
- III. **FREQUENCY RATIO ASSESSMENT FOR LANDSLIDES TRIGGERED BY 6 FEBRUARY 2023 KAHRAMANMARAS TURKIYE EARTHQUAKES BETWEEN GOLBASI AND ERKENEK**
Cetinkaya S., TUNAR ÖZCAN N., Karakas G., Karakas V. E., KOCAMAN GÖKÇEOĞLU S., Gokceoglu C.
39th International Symposium on Remote Sensing of Environment (ISRSE) - From Human needs to SDGs, Antalya, Turkey, 24 - 28 April 2023, pp.477-483
- IV. **The Evaluation of Rockfalls at Ayvalı in Cappadocia Region due to Differential Weathering of Tuff Layers**
Tunar Özcan N., Ulusay R., Aydan Ö., Iwata N., Kanose K.
The 5th International Workshop on Rock Mechanics and Engineering Geology in Volcanic Fields (RMEGV2021), Fukuoka, Japan, 9 - 11 September 2021
- V. **A Preliminary Study on the Relationships between the Grain Contact Pattern and the Tensile Strength of a Rock Salt.**
Avşar E., Tunar Özcan N.
International Congress of Engineering and Natural Sciences (ICENSS2021), Ankara, Turkey, 7 - 09 May 2021, pp.282-290
- VI. **A comparative study on creep responses of rock salt of Çankırı (Turkey) under uniaxial compression and Brazilian testing conditions together with impression creep tests.**
Ito T., Tunar Özcan N., Aydan Ö.
15th Japan Symposium on Rock Mechanics, Osaka, Japan, 14 - 16 January 2021, pp.615-620
- VII. **An experimental and theoretical study on the stability a single prismatic rock block and a rock slope subjected to planar sliding under immersed condition.**
Murayama Y., Tunar Özcan N., Ito T., Aydan Ö.
15th Japan Symposium on Rock Mechanics, Osaka, Japan, 14 - 16 January 2021, pp.71-76
- VIII. **A Study on Model Experiments and Numerical Simulations on Rockfalls and Its Utilization to Assess the Rockfall Hazards in Miyagi Island (Japan) and Cappadocia (Turkey)**
TUNAR ÖZCAN N., Aydan Ö., Murayama Y., Horiuchi K., Ulusay R.
16th International Conference of the International Association for Computer Methods and Advances in Geomechanics, IACMAG 2021, Turin, Italy, 5 - 08 May 2021, vol.126, pp.482-490
- IX. **A Model Experimental and Numerical Study on Rockfalls and Its Applications to the Rockfall Hazard in Miyagi Island.**
Tunar Özcan N., Aydan Ö., Murayama Y., Horiuchi K.
29th Annual Meeting of Okinawa Geotechnical Society, Okinawa, Japan, 12 December 2019, pp.70-73
- X. **Endüstriyel bir alandaki turba çökelinin sahadaki uzun süreli oturmasının tahmini için bir yaklaşım.**

Tunar Özcan N., Ulusay R., Işık N. S.

MÜHJEO'2019: Ulusal Mühendislik Jeolojisi ve Jeoteknik Sempozyumu, Denizli, Turkey, 3 - 05 October 2019, pp.57-64

- XI. **Assessment of Compressibility and Settlement of a Peat Deposit at an Industrial Zone (Turkey) Using Laboratory Experiments and Long-Term Field Loading Test.**
Tunar Özcan N., Ulusay R., Işık N. S.
XIII IAEG Congress: Engineering Geology for a Sustainable World , California, United States Of America, 15 - 23 September 2018
- XII. **Multivariate Artificial Neural Network (ANN) models for predicting uniaxial compressive strength from index tests**
Othman B. S., Ozcan N., KALENDER A., SÖNMEZ H.
International European Rock Mechanics Symposium (EUROCK), Saint Peter, Guernsey And Alderney, 22 - 26 May 2018, pp.345-351
- XIII. **Dynamic Behavior of the Peaty Soils in Kayseri Free Trade Zone (Turkey) and Comparison of Their Site Response with Two Seismic Codes in Europe**
Tunar Özcan N., Ulusay R., Işık N. S.
The 11th Asian Regional Conference of IAEG, Kathmandu, Nepal, 28 - 30 November 2017, pp.200
- XIV. **Geomechanical Characterisation of Peaty Soils at an Industrial Free Trade Zone (Turkey)**
Tunar Özcan N., Ulusay R., Işık N. S.
WMESS 2016, Praha, Czech Republic, 5 - 09 September 2016, pp.29
- XV. **Kayseri Serbest Bölgedeki Turba Zeminlerin Dinamik Özelliklerinin ve Sismik Yer Tepkisinin İncelenmesi.**
Tunar Özcan N., Ulusay R., Işık N. S.
69. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 11 - 15 April 2016, pp.408
- XVI. **Tek Eksenli Sıkıġma Dayanımı Deneyinde Örneġin Boy/Çap Oranının Belirlenmesi Ğçin Yeni Bir Yaklaşım**
TUNCAY E., TUNAR ÖZCAN N., KALENDER A.
MÜHJEO 2015 Ulusal Mühendislik Jeolojisi Sempozyumu, Trabzon, Turkey, 3 - 05 September 2015, pp.246-253
- XVII. **An evaluation on the effect of test core shape on uniaxial compressive strength and elastic modulus of rock**
TUNCAY E., TUNAR ÖZCAN N.
Environmental Geosciences and Engineering Survey for Territory Protection and Population Safety, Moskova, Russia, 06 September 2011, vol.1, pp.591-595
- XVIII. **Geotechnical assessments for the stability of a tailings dam (Turkey) under re-design stage**
Tunar Özcan N., Ulusay R.
11th Congress of the International Association for Engineering Geology and the Environment (IAEG), Auckland, Auckland, New Zealand, 5 - 10 September 2010, pp.3741-3748

Metrics

Publication: 33

Citation (WoS): 64

Citation (Scopus): 81

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

University of Ryukyus, Engineering Faculty, Disaster Prevention Research Center for Islands Region