Dr. Öğr. Üyesi YEŞİM TUSKAN

Kişisel Bilgiler

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Yoksis Araştırmacı ID: 110520

Eğitim Bilgileri

Doktora, Türkiye 2012 - 2023
Yüksek Lisans, Türkiye 2008 - 2012

Yabancı Diller

İngilizce
Fransızca

Yaptığı Tezler

Doktora, Geoteknik mühendisliğinde bilgi tabanlı yaklaşımlar: Bir karar destek sistemi uygulaması, 2023
Yüksek Lisans, Yapay sinir ağlarının geoteknik mühendisliğinde kullanımı, 2012

Araştırma Alanları

Avesis Araştırma Alanları: İnşaat Mühendisliği
WoS Araştırma Alanları: Mühendislik
Scopus Araştırma Alanları: Genel Mühendislik

Akademik Ünvanlar / Görevler

Dr. Öğr. Üyesi, Manisa Celal Bayar Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, İnşaat Mühendisliği, 2025 - Devam Ediyor

Verdiği Dersler

Yüksek Lisans
Yeraltı Suyunun Kirlenmesi ve Korunması, Yüksek Lisans, 2026 - 2027

Uzmanlık Alanı, Yüksek Lisans, 2026 - 2027
Kaya Mekaniği, Yüksek Lisans, 2026 - 2027
Seminer, Yüksek Lisans, 2026 - 2027

Lisans

İnşaat Mühendisliği Tasarımı, Lisans, 2026 - 2027
Sosyal Sorumluluk Projesi, Lisans, 2026 - 2027
Zemin Mekaniği I, Lisans, 2026 - 2027
Sosyal sorumluluk projesi , Lisans, 2024 - 2025
İnşaat mühendisliği tasarım, Lisans, 2024 - 2025
Jeoloji , Lisans, 2024 - 2025
Zemin mekaniği 2, Lisans, 2024 - 2025
Jeoloji , Lisans, 2023 - 2024
Sosyal sorumluluk projesi , Lisans, 2024 - 2025
Zemin mekaniği 1, Lisans, 2024 - 2025
Experimental soil mechanics, Lisans, 2023 - 2024
İnşaat mühendisliği tasarım, Lisans, 2023 - 2024
Zemin mekaniği 1, Lisans, 2023 - 2024
Experimental soil mechanics, Lisans, 2023 - 2024

Makaleler

I. **Slope stability assessment of irrigation canal embankments improved with olive stone biochar using the coupled Eulerian-Lagrangian method**
TUSKAN Y., Giden D.
JOURNAL OF EARTH SYSTEM SCIENCE, cilt.135, sa.4, 2026 (SCI-Expanded, Scopus)

II. **Optimal design of reinforced concrete cantilever retaining walls via simulated annealing**
TUSKAN Y.
Challenge Journal of Structural Mechanics, cilt.12, sa.3, ss.296-311, 2026 (TRDizin)

III. **Parameter measurement sensitivity in disturbed rock masses: A machine learning framework for slope stability prediction**
TUSKAN Y., ÖZYÜKSEL ÇİFTÇİOĞLU A.
Environmental Earth Sciences, cilt.85, sa.12, 2026 (SCI-Expanded, Scopus)

IV. **Effectiveness of Stone Columns in Reducing Liquefaction-Induced Settlements: A Highway Embankment Case Study**
TUSKAN Y.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.26, sa.3, ss.678-692, 2026 (TRDizin)

V. **Seismic Assessment of the Tuzla Submarine Landslide in the Çınarcık Basin, Marmara Sea (Türkiye)**
TUSKAN Y.
Applied Sciences (Switzerland), cilt.16, sa.7, 2026 (SCI-Expanded, Scopus)

VI. **Slope stability evaluation and quantitative landslide risk assessment of road cut-slopes on the D400 highway, southwestern Turkey**
TUSKAN Y.
Sadhana - Academy Proceedings in Engineering Sciences, cilt.50, sa.4, 2025 (SCI-Expanded, Scopus)

VII. **Investigation of earthquake damage and seismic slope displacements in open irrigation channels using the coupled Eulerian-Lagrangian method**
TUSKAN Y., YİĞİT M. E.
QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, cilt.58, sa.3, 2025 (SCI-Expanded, Scopus)

VIII. **Shear Capacity Prediction of Extremely-Loaded Box Culvert on Elastic Soil Using Artificial Neural Network**

TUSKAN Y., Uncu D.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.28, sa.5, ss.1103-1114, 2024 (Scopus, TRDizin)

IX. **Kazıklarla Güçlendirilmiş Şevlerde Monte Carlo Simülasyon Yöntemi Uygulaması**
tuskan y., erzin y.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.24, sa.1, ss.117-125, 2024 (TRDizin)

X. **Evaluation of Sustainable Slope Stability with Anti-Slide Piles Using an Integrated AHP-VIKOR Methodology**
TUSKAN Y., BAŞARI E.
Sustainability (Switzerland), cilt.15, sa.15, 2023 (SCI-Expanded, SSCI, Scopus)

XI. **Dynamic and Static Analysis of Deep Excavation of Poligon Station in İzmir Metro Line**
BAŞARI E., TUSKAN Y.
International Journal of Advanced Natural Sciences and Engineering Researches, cilt.7, sa.6, ss.440-448, 2023 (Hakemli Dergi)

XII. **Investigation of Fluid-Structure Interaction by Using Solidity Ratio**
DAĞLI B. Y., TUSKAN Y., UNCU D.
Eurasian Journal of Civil Engineering and Architecture, cilt.3, sa.2, ss.41-47, 2019 (Hakemli Dergi)

XIII. **The use of neural networks for predicting the factor of safety of soil against liquefaction**
ERZİN Y., TUSKAN Y.
SCIENTIA IRANICA, cilt.26, sa.5, ss.2615-2623, 2019 (SCI-Expanded, Scopus)

XIV. **Deniz Boru Hattı Dinamik Davranışının Sonlu Elemanlar Yöntemi ile Analizi**
Dağlı B. Y., Uncu D., tuskan y.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.23, sa.2, ss.404-410, 2019 (TRDizin)

XV. **Evaluation of Offshore Wind Turbine Tower Dynamics with Numerical Analysis**
DAĞLI B. Y., TUSKAN Y., Gökkuş Ü.
ADVANCES IN CIVIL ENGINEERING, cilt.2018, 2018 (SCI-Expanded, Scopus)

XVI. **Gokkus, U., Tuskan,Y.,(2017),Design of Anchored-Strengthened Sheet Pile Wall: A Case Study, International Journal of Scientific Research and Innovative Technology-IJSRIT, www.Ijsrit.com, ISSN: 2313-3759 Vol. 4 No. 3 (March),pp.92-98**
GÖKKUŞ Ü., TUSKAN Y.
International Journal of Scientific Research and Innovative Technology-IJSRIT, cilt.4, sa.3, 2017 (Hakemli Dergi)

XVII. **Prediction of standard penetration test (SPT) value in Izmir, Turkey using radial basis neural network**
ERZİN Y., TUSKAN Y.
Celal Bayar University Journal of Science, cilt.13, sa.2, ss.433-439, 2017 (TRDizin)

XVIII. **Prediction of Skid Resistance Value of Glass Fiber-Reinforced Tiling Materials**
Yildizel S. A., TUSKAN Y., Kaplan G.
ADVANCES IN CIVIL ENGINEERING, cilt.2017, 2017 (SCI-Expanded, Scopus)

XIX. **Investigations into factors influencing the CBR values of some Aegean sands**
ERZİN Y., Türköz D., TUSKAN Y., YILMAZ I.
Scientia Iranica, cilt.23, sa.2, ss.420-428, 2016 (SCI-Expanded, Scopus)

Kitaplar

I. **Recent Advances In Sustainable Geotechnics: A Review On The Use Of Geosynthetics**
TUSKAN Y.
Current Debates on Natural and Engineering Sciences 9, , Editör, Bilgin Kültür Sanat Yayınları, Ankara, ss.491-505, 2023

II. **ARTIFICIAL NEURAL NETWORKS FOR HYDRAULIC SYSTEMS**
Dağlı B. Y., Tuskan Y., Yıldırım Uncu D.
Research & Reviews in Engineering – Summer, 2019, Dr. Mahmut TURHAN, Editör, Gece Kitaplığı, Ankara, ss.85-

110, 2019

III. **THE USE OF ARTIFICIAL NEURAL NETWORKS (ANNS) IN GEOTECHNICS**
Tuskan Y., Dağlı B. Y., Yıldırım Uncu D.
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Hakemli Bilimsel Toplantılarda Yayımlanmış Bildiriler

I. **SÜRŞARJ YÜKLERİ ALTINDA DAYANMA DUVARI DAVRANIŞININ SONLU ELEMANLAR YÖNTEMİ İLE ANALİZİ**
TUSKAN Y.
EU 10th INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, Türkiye, 3 - 08 Eylül 2026, (Tam Metin Bildiri)

II. **Influence of Surcharge Loading on the Deformation and Shear Performance of Retaining Structures**
TUSKAN Y.
5 th International Conference on Recent and Innovative Results in Engineering and Technology, Türkiye, 25 - 26 Ağustos 2026, (Tam Metin Bildiri)

III. **Şev Güçlendirme Yöntemlerinin Şev Stabilitesine Etkisinin Karşılaştırması**
TUSKAN Y.
3rd International Conference on Recent and Innovative Results in Engineering and Technology ICRIRET, Türkiye, 15 - 16 Kasım 2025, (Tam Metin Bildiri)

IV. **Dinamik Koşullar Altında Karayolu Yarma Şevlerinin Stabilite Analizi**
TUSKAN Y.
3rd International Conference on Recent and Innovative Results in Engineering and Technology ICRIRET, 15 - 16 Kasım 2025, (Tam Metin Bildiri)

V. **Devlet Karayolu Boyunca Kritik Kaya Şevi İncelemesi**
TUSKAN Y.
5TH INTERNATIONAL SYMPOSIUM OF SCIENTIFIC RESEARCH AND INNOVATIVE STUDIES, 19 - 22 Mart 2025, (Tam Metin Bildiri)

VI. **Kritik Karayolu Şevinin Statik Koşullar Altında Şev Stabilitesi Analizi**
TUSKAN Y.
5th International Symposium of Scientific Research and Innovative Studies, 19 - 22 Mart 2025, (Tam Metin Bildiri)

VII. **Field Investigation on Road Embankment at Bridge Approach**
TUSKAN Y.
2ND INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATIVE STUDIES ICSIS 2024, Türkiye, 18 - 19 Nisan 2024, ss.604-607, (Tam Metin Bildiri)

VIII. **Stability Analysis of Cut Slopes Using Rock Bolt**
TUSKAN Y.
2ND INTERNATIONAL CONFERENCE ON SCIENTIFIC AND INNOVATIVE STUDIES ICSIS 2024, Türkiye, 18 - 19 Nisan 2024, ss.608-611, (Tam Metin Bildiri)

IX. **STABILITY ASSESSMENT AND SETTLEMENT ANALYSIS OF ROAD EMBANKMENT**
TUSKAN Y.
5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Türkiye, 1 - 03 Mart 2024, ss.324-326, (Tam Metin Bildiri)

X. **ROAD CUT SLOPE STABILITY ANALYSIS UNDER STATIC AND DYNAMIC CONDITIONS**
TUSKAN Y.
5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Türkiye, 1 - 03 Mart 2024, ss.327-331, (Tam Metin Bildiri)

XI. **NUMERICAL ANALYSIS OF SHALLOW FOUNDATION RESTING ON GRANULAR SOIL USING FINITE ELEMENT METHOD**

TUSKAN Y.
BURSA 4. INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Bursa, Türkiye, 8 - 10 Temmuz 2023, (Tam Metin Bildiri)

XII. **SELECTION OF ANTI-SLIDE PILE USING MULTI CRITERIA DECISION MAKING METHOD**
TUSKAN Y., BAŞARI E.
BURSA 4. INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Bursa, Türkiye, 8 - 10 Temmuz 2023, (Tam Metin Bildiri)

XIII. **İnce Cidarlı Silindirik Sıvı Depolama Yapılarının Sismik Analizi**
TUSKAN Y., DAĞLI B. Y., UNCU D.
III. Ulusal Mühendislikte Bilimsel ve Mesleki Çalışmalar Kongresi (UMUH BILMES 2020), Türkiye, 12 Aralık - 15 Kasım 2020, (Özet Bildiri)

XIV. **Hydrodynamic Analysis of Cylindrical Water Tanks Subjected to Earthquake Induced Sloshing Forces**
DAĞLI B. Y., UNCU D., TUSKAN Y.
International Engineering Symposium IES'20, İzmir, Türkiye, 5 - 13 Aralık 2020, (Özet Bildiri)

XV. **Technological And Economic Evaluation of Wave Energy Generation Systems**
DAĞLI B. Y., TUSKAN Y., UNCU D.
4th Eurasian Conference On Civil And Environmental Engineering (ECOCEE), İstanbul, Türkiye, 17 - 18 Haziran 2019, (Tam Metin Bildiri)

XVI. **Investigation of Fluid-structure Interaction by Using Solidity Ratio**
DAĞLI B. Y., TUSKAN Y., UNCU D.
4th Eurasian Conference On Civil And Environmental Engineering (ECOCEE), İstanbul, Türkiye, 17 - 18 Haziran 2019, (Tam Metin Bildiri)

XVII. **Comparison of pile design procedures basedon cone penetration test (CPT) data**
TUSKAN Y., ERZİN Y.
4. EURASIAN CONFERENCE ONCIVIL AND ENVIRONMENTAL ENGINEERING(ECOCEE), 17 - 18 Haziran 2019, (Tam Metin Bildiri)

XVIII. **Estimation of direct shear parameters ofsoils using soft computing methods**
TUSKAN Y., ERZİN S., ERZİN Y.
4. EURASIAN CONFERENCE ONCIVIL AND ENVIRONMENTAL ENGINEERING(ECOCEE), 17 - 18 Haziran 2019, (Tam Metin Bildiri)

XIX. **An Examination on Determination of Suitable Conditions for Production of Modified Bitumens**
UNCU D., DAĞLI B. Y., TUSKAN Y.
2nd International Congress on Engineering and Architecture, Marmaris, Türkiye, 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XX. **Anchored Diaphragm Wall Application in Deep Excavation Case**
TUSKAN Y., DAĞLI B. Y., UNCU D.
2nd International Congress on Engineering and Architecture, Marmaris, Türkiye, 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XXI. **Investigatıon of Hydrodynamic Forces According to Solidity Ratıo under Various Wave Heights**
DAĞLI B. Y., UNCU D., TUSKAN Y.
2nd International Congress on Engineering and Architecture, Marmaris, Türkiye, 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XXII. **Modeling of highway infrastructure with Finite element method (FEM)**
TUSKAN Y., ERZİN Y.
2nd International congress on engineering and architecture(ENAR), 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XXIII. **New Australian Tunneling Method (NATM) in Staged Excavation by Using Finite Element Method (FEM)**
TUSKAN Y., ERZİN Y.
2nd International congress on engineering and architecture, 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XXIV. **The Stress Analysis of Foundation and Free Headed Pile by Using Plaxis 2D Finite Element Method (FEM)**

TUSKAN Y., ERZİN Y.
2nd International congress on engineering and architecture, 22 - 24 Nisan 2019, (Tam Metin Bildiri)

XXV. **Gas. Pressure. Assessment. on. the. Water. Saturation. Effect. of. Compacted. Bentonite-Sand. Layered. Samples**
TUSKAN Y., DAĞLI B. Y., ERZİN Y.
Engineering IT and Artificial Intelligence MAC-EITAI 2018, Prag, Çek Cumhuriyeti, 25 - 27 Mayıs 2018, ss.130-134, (Tam Metin Bildiri)

XXVI. **Evaluation of Dynamic Behavior of Piles Subjected to Hydrodynamic Forces**
DAĞLI B. Y., TUSKAN Y., SINIR B. G.
Engineering IT and Artificial Intelligence MAC-EITAI 2018, Prag, Çek Cumhuriyeti, 25 - 27 Mayıs 2018, (Tam Metin Bildiri)

XXVII. **Innovation Project Increasing Concrete Quality of Wind Turbine Construction in Manisa Region**
ÖZTÜRK A. U., KANTAR E., YILDIZEL S. A., ERZİN Y., TUSKAN Y.
1. International University Industry Cooperation, RD and Innovation Congress, 18 - 19 Aralık 2017, (Özet Bildiri)

XXVIII. **Cold Joint Removal of Turbine-8 Construction**
KANTAR E., ÖZTÜRK A. U., YILDIZEL S. A., ERZİN Y., TUSKAN Y.
1. International University Industry Cooperation, RD and Innovation Congress, 18 - 19 Aralık 2017, (Özet Bildiri)

XXIX. **Artificial Neural Network (ANN) Estimation of Direct Shear Parameters of Soils**
TUSKAN Y., ERZİN Y.
ICOCEE, 27 - 29 Nisan 2017, (Özet Bildiri)

XXX. **The Use of Artificial Neural Network (ANN) in Prediction of Compaction Parameters**
TUSKAN Y., ERZİN Y.
ICOCEE, 27 - 29 Nisan 2017, (Özet Bildiri)

XXXI. **APPLICATION OF DECISION TREE LEARNING FOR PREDICTION OF SOIL LIQUEFACTION**
ERZİN Y., TUSKAN Y.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS, 29 - 31 Mart 2017, (Tam Metin Bildiri)

XXXII. **ESTIMATION OF LIQUEFACTION PROBABILITY BY DIFFERENT SPT BASED PROCEDURES**
ERZİN Y., TUSKAN Y.
INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS, 29 - 31 Mart 2017, (Tam Metin Bildiri)

XXXIII. **RESEARCH ON THE USAGE OF NANO CALCIUM CARBONATEAS CEMENT REPLACEMENT MATERIAL**
TUSKAN Y., YILDIZEL S. A., ERZİN Y., DOĞAN E., ÜSTÜNER M. A.
IWA-PPFW 2017, 22 - 24 Mart 2017, (Özet Bildiri)

XXXIV. **STRENGTHENING OF THE UNDERWATERHISTORICAL ARTIFACTS WITH WHITECEMENT CONTAINING NANO TIO2 AND ITSENVIONMENTAL EFFECT**
YILDIZEL S. A., AKPINAR M. E., TUSKAN Y., ÜSTÜNER M. A.
IWA-PPFW 2017, 22 - 24 Mart 2017, (Özet Bildiri)

XXXV. **The Use of Support Vector Machine for the Prediction of the Factor of Safety Against Liquefaction**
ERZİN Y., TUSKAN Y.
International Symposium on Multidisciplinary Studies (ISMS), Belgrade, Sırbistan, 20 - 23 Ekim 2016, (Özet Bildiri)

XXXVI. **Relationship between the standard penetration test and the pressure meter test A case study from Izmir**
ERZİN Y., TUSKAN Y.
ourth International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Nicosia, Kıbrıs (Kktc), 2 - 04 Haziran 2016, (Tam Metin Bildiri)

XXXVII. **Relationship between standard penetration test and pressuremeter test A case study from Izmir**
ERZİN Y., TUSKAN Y.
Fourth International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 2 - 04 Haziran 2016, (Tam Metin Bildiri)

XXXVIII. **Prediction of standard penetration test SPT value in Izmir Turkey using general regression neural network**
ERZİN Y., TUSKAN Y.

International Conference on Agricultural, Civil and Environmental Engineering (ACEE-16), 18 - 19 Nisan 2016, (Tam Metin Bildiri)

XXXIX. **Farklı Ege kumlarının Kaliforniya taşıma oranı CBR ın kolayca belirlenen zemin özelliklerinden tahmini**
ERZİN Y., deniz t., TUSKAN Y.
6. Geoteknik Sempozyumu, Türkiye, 26 - 27 Kasım 2015, (Tam Metin Bildiri)

XL. **Layer thickness of the rubblemound breakwaters in marine transportation**
TUSKAN Y., DAĞLI B. Y., UNCU D., GÖKKUŞ Ü.
2nd International Symposium Computing in Science and Engineering, 5 - 08 Eylül 2011, (Tam Metin Bildiri)

Desteklenen Projeler

DAĞLI B. Y., YILDIRIM UNCU D., TUSKAN Y., Yükseköğretim Kurumları Destekli Proje, İnce Cidarlı Silindirik Sıvı Depolama Yapılarının Statik-Betonarme Analizleri ve Akışkan-Yapı Etkileşimi Açısından İncelenmesi, 2019 - 2020

Bilimsel Yayınlarda Hakemlikler

JOURNAL OF INFRASTRUCTURE POLICY AND DEVELOPMENT, ESCI Kapsamındaki Dergi, Ekim 2024
JOURNAL OF INFRASTRUCTURE POLICY AND DEVELOPMENT, ESCI Kapsamındaki Dergi, Eylül 2024
JOURNAL OF INFRASTRUCTURE POLICY AND DEVELOPMENT, ESCI Kapsamındaki Dergi, Ağustos 2024
Gazi University Journal of Science Part A: Engineering and Innovation, SCI-E Kapsamındaki Dergi, Temmuz 2024
WATER SCIENCE AND TECHNOLOGY, SCI-E Kapsamındaki Dergi, Haziran 2024
WATER SCIENCE AND TECHNOLOGY, SCI-E Kapsamındaki Dergi, Mart 2024
PLOS ONE, SCI-E Kapsamındaki Dergi, Şubat 2024
Challenge Journal of Structural Mechanics, Diğer Dergiler, Ocak 2017

Metrikler

Yayın: 66
Atıf (WoS): 71
Atıf (Scopus): 91
H-İndeks (WoS): 5
H-İndeks (Scopus): 5

Kongre ve Sempozyum Katılımı Faaliyetleri

5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Moderatör, Bursa, Türkiye, 2024
5th INTERNATIONAL BURSA SCIENTIFIC RESEARCHS CONGRESS, Moderatör, Bursa, Türkiye, 2024
BURSA 4. INTERNATIONAL CONFERENCE ON SCIENTIFIC RESEARCHES, Katılımcı, Bursa, Türkiye, 2023
4. EURASIAN CONFERENCE ONCIVIL AND ENVIRONMENTAL ENGINEERING(ECOCEE, Katılımcı, İstanbul, Türkiye, 2019
2nd International congress on engineering and architecture, Katılımcı, İstanbul, Türkiye, 2019