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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Bogazici University, Institute Of Science, The Department of Civil Engineering, Turkey 2015 - 2021

Postgraduate, Bogazici University, Institute Of Science, The Department of Civil Engineering, Turkey 2012 - 2015

Undergraduate, Bogazici University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2007 - 2012

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, DISCRETE ELEMENT MODELLING OF SOIL - PILE INTERACTION WITH EMPHASIS ON SOIL CHARACTERISTICS AND PILE INSTALLATION METHODOLOGY, Bogazici University, Institute Of Science, 2021

Postgraduate, Dilatancy based calculation of lateral earth thrust and the locked-in stress concept, Bogazici University, Institute Of Science, The Department of Civil Engineering, 2015

Research Areas

Civil Engineering, Geotechnical, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2022 - Continues

Research Assistant, Bogazici University, Faculty Of Engineering, Department Of Civil Engineering, 2013 - 2021

Courses

Postgraduate

GEOTECHNICAL EARTHQUAKE ENGINEERING, Postgraduate, 2022 - 2023

ADVANCED FOUNDATION ENGINEERING, Postgraduate, 2021 - 2022

Undergraduate

SOIL MECHANICS I, Undergraduate, 2022 - 2023
PILE FOUNDATIONS, Undergraduate, 2021 - 2022
GEOLOGY FOR CIVIL ENGINEERS, Undergraduate, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Discrete-element modelling of pile penetration to reveal influence of soil characteristics**
Gezgin A. T., Soltanbeigi B., Cinicioglu O.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-GEOTECHNICAL ENGINEERING, vol.175, no.4, pp.365-382, 2022 (SCI-Expanded)
- II. **Multi-scale investigation of active failure for various modes of wall movement**
Gezgin A. T., Soltanbeigi B., Altunbas A., Cinicioglu O.
FRONTIERS OF STRUCTURAL AND CIVIL ENGINEERING, vol.15, no.4, pp.961-979, 2021 (SCI-Expanded)
- III. **Determination of Passive Failure Surface Geometry for Cohesionless Backfills**
Soltanbeigi B., Altunbas A., Gezgin A. T., Cinicioglu O.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.64, no.4, pp.1100-1110, 2020 (SCI-Expanded)
- IV. **Consideration of locked-in stresses during backfill preparation**
Gezgin A. T., Cinicioglu O.
GEOMECHANICS AND ENGINEERING, vol.18, no.3, pp.247-258, 2019 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Kil Zeminlerin Şişme Mekanizması ve Şişmeye Yönelik Hesap Yaklaşımlarının Sonlu Elemanlar Modeliyle Değerlendirilmesi**
ŞERAFETTİNOĞLU M., YAZICI N., GEZGİN A. T., DOĞANGÜN A.
International Ankara Congress on Multidisciplinary Studies-VI, Ankara, Turkey, 14 October 2023, vol.1, pp.856-866
- II. **Permeasyon Enjeksiyonu, Çatlatma Enjeksiyonu ve Kompaksiyon Enjeksiyon Yöntemlerinin Hesap ve Tasarım Kriterleri Açısından İrdelenmesi**
YAZICI N., ŞERAFETTİNOĞLU M., GEZGİN A. T., DOĞANGÜN A.
International Ankara Congress on Multidisciplinary Studies-VI, Ankara, Turkey, 14 October 2023, vol.1, pp.849-855
- III. **Techniques to Reduce Computational Time in Discrete Element Method: Penetration Modelling in Granular Soils**
Gezgin A. T., Soltanbeigi B., Çinicioglu Ö.
Zemin Mekaniği Ve Geoteknik Mühendisliği 18. Ulusal Kongresi, Kayseri, Turkey, 29 - 30 September 2022, pp.347-359
- IV. **Pasif Zemin İtkisinin Genleşim Açısına Bağlı Hesaplanması ve Kenetlenme Gerilimi Kavramı**
GEZGİN A. T., ÇİNİCİOĞLU Ö.
6.Geoteknik Sempozyumu, Adana, Turkey, 26 - 27 November 2015
- V. **Characterization of active failure wedge for cohesionless soils**
ÇİNİCİOĞLU Ö., ALTUNBAŞ A., SOLTANBEİĞİ B., GEZGİN A. T.
Proceedings of the XVI ECSMGE Geotechnical Engineering for Infrastructure and Development, Edinburgh, Saint Helena, 13 - 17 September 2015, pp.3135-3140
- VI. **Dilatancy Based Calculation of Passive Earth Thrust and the Locked-in Stress Concept**
GEZGİN A. T., ÇİNİCİOĞLU Ö.
24th European Young Geotechnical Engineers Conference, Durham, Canada, 11 - 12 September 2015
- VII. **Backfill failure surfaces and failure displacements during active failure states**
SOLTANBEİĞİ B., GEZGİN A. T., ALTUNBAŞ A., ÇİNİCİOĞLU Ö.
11th International Congress on Advances in Civil Engineering (ACE), İstanbul, Turkey, 21 October 2014
- VIII. **Aktif Zemin İtkisinin Genleşim Açısına Bağlı Hesaplanması**

GEZGİN A. T., ÇİNİCİOĞLU Ö.

Zemin Mekaniği ve Temel Mühendisliği Onbeşinci Ulusal Kongresi, Ankara, Turkey, 16 - 17 October 2014

- IX. **Influences of Backfill Properties and Stress State on Ultimate Earth Pressure Coefficients**
ALTUNBAŞ A., GEZGİN A. T., SOLTANBEİĞİ B., ÇİNİCİOĞLU Ö.
50th Danube - European Conference on Geotechnical Engineering, Viyana, Austria, 9 - 11 September 2014
- X. **Shear Band Localization behind Retaining Walls**
ALTUNBAŞ A., SOLTANBEİĞİ B., GEZGİN A. T., ÇİNİCİOĞLU Ö.
23rd European Young Geotechnical Engineers Conference, Barcelona, Spain, 2 - 05 September 2014, pp.201-204
- XI. **Dilatancy based similitude of small-scale 1g models and prototypes for cohesionless soils**
ÇİNİCİOĞLU Ö., ALTUNBAŞ A., SOLTANBEİĞİ B., GEZGİN A. T.
International Symposium on Geomechanics from Micro to Macro, Cambridge, Canada, 1 - 03 September 2014, pp.1641-1645
- XII. **Kohezyonsuz Dolguların Aktif ve Pasif Göçme Durumlarında Oluşan Kayma Yüzeyleri ve Yatay toprak Basınç Katsayıları**
SOLTANBEİĞİ B., ALTUNBAŞ A., GEZGİN A. T., ÇİNİCİOĞLU Ö.
Zemin Mekaniği ve Temel Mühendisliği 2. Özel Konulu Sempozyumu, Antalya, Turkey, 24 - 25 April 2014
- XIII. **Variation of the Coefficient of Lateral Earth Pressure with Deformation for Cohesionless Backfills**
ALTUNBAŞ A., ABZAL M., GEZGİN A. T., ÇİNİCİOĞLU Ö.
8th International Conference on Physical Modelling In Geotechnics, Perth, Australia, 14 - 17 January 2014, pp.905-910
- XIV. **Aktif ve Pasif Göçme Durumlarında Dolgu Kayma Yüzeyleri ve Göçme Mesafeleri**
ABZAL M., ALTUNBAŞ A., GEZGİN A. T., ÇİNİCİOĞLU Ö.
5. Geoteknik Sempozyumu, Adana, Turkey, 5 - 07 December 2013

Supported Projects

ŞENKAYA M., TOĞRUL B., ÜNSEVER GÜLER Y. S., GEZGİN A. T., POYRAZ B., ÖZGENÇLİ S., Project Supported by Higher Education Institutions, Bursa Uludağ Üniversitesi Görükle Kampüsü Yapı Stoğunun YerYapı Etkileşimi Parametrelerinin İncelenmesi ve Deprem İzleme İstasyonu Kurulumu, 2024 - Continues

Gezgin A. T., Çinicioglu S. F., TUBITAK Project, Multi-scale Investigation of Soil – Pile Interaction for Wind Turbines using Discrete Element Method, 2021 - 2023

Gezgin A. T., Çinicioglu Ö., TUBITAK Project, Investigation of Influences of Pile Installation Technique on Behavior of Laterally Loaded Piles Using Discrete Element Method , 2019 - 2021

Çinicioglu Ö., TUBITAK Project, Effect of Stress History on Strength Parameters and Lateral Earth Pressure Coefficients in Cohesionless Soils, 2012 - 2014

Metrics

Publication: 18

Citation (WoS): 20

Citation (Scopus): 21

H-Index (WoS): 3

H-Index (Scopus): 3