

## Prof. ABDULAZİM YILDIZ

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 130483

### Education Information

Doctorate, Cukurova University, Müh Mim Fakültesi, İnşaat-Geoteknik, Turkey 1996 - 2002

Postgraduate, Istanbul Technical University, İnşaat, Geoteknik, Turkey 1994 - 1996

Undergraduate, Istanbul Technical University, İnşaat, İnşaat, Turkey 1990 - 1994

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Donatılı Zeminler Üzerine Oturan Yüzeysel Temellerin Analizi, Cukurova University, Fen Bilimleri , İnşaat-Geoteknik, 2002

Postgraduate, Temel Mühendisliğinde Presyometre Metodu, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat-Geoteknik, 1996

### Research Areas

Civil Engineering, Geotechnical, Foundation Engineering, Soil Mechanics, Ground Improvement, Engineering and Technology

### Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2002 - 2003

Research Assistant, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1994 - 2002

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

1. Effect of surface roughness characteristics on the uplift capacity of piles: A physical modelling study

Tolun M., Emirler B., Ertugrul O. L., Yildiz A.

MARINE GEORESOURCES AND GEOTECHNOLOGY, pp.1-13, 2022 (SCI-Expanded)

- II. **Determination of shear strength of coarse-grained soils based on their index properties: a comparison between different statistical approaches**  
Abozraig M., Ok B., YILDIZ A.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.7, 2022 (SCI-Expanded)
- III. **Contribution of using geogrid under a shallow foundation on sand subjected to static and repeated loads: Laboratory testing and numerical simulations**  
Tolun M., Epsileli S. E., Emirler B., Yildiz A., Tutumluer E.  
GEOMECHANICS AND ENGINEERING, vol.27, no.2, pp.167-178, 2021 (SCI-Expanded)
- IV. **An experimental study of rough single pile and pile group under uplift loading in sand**  
Emirler B., Tolun M., Yildiz A.  
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.25, no.3, pp.557-574, 2021 (SCI-Expanded)
- V. **Investigation on determining uplift capacity and failure mechanism of the pile groups in sand**  
Emirler B., Tolun M., Yildiz A.  
OCEAN ENGINEERING, vol.218, 2020 (SCI-Expanded)
- VI. **Geotechnical properties of recycled construction and demolition materials for filling applications**  
Ok B., SARICI T., TALASLIOĞLU T., YILDIZ A.  
TRANSPORTATION GEOTECHNICS, vol.24, 2020 (SCI-Expanded)
- VII. **Dynamic Response of a Single Pile Embedded in Sand Including the Effect of Resonance**  
Tolun M., Emirler B., Yildiz A., Gullu H.  
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.64, pp.1038-1050, 2020 (SCI-Expanded)
- VIII. **Determination of the bearing capacity of model ring footings: Experimental and numerical investigations**  
Turedi Y., Emirler B., Ornek M., Yildiz A.  
GEOMECHANICS AND ENGINEERING, vol.18, pp.29-39, 2019 (SCI-Expanded)
- IX. **Acute renal infarction in Turkey: a review of 121 cases.**  
EREN N., GUNGOR O., KOCYIGIT I., GUZEL F., ERKEN E., ALTUNOREN O., TATAR E., EROGLU E., SENEL E., Kaya B., et al.  
International urology and nephrology, vol.50, pp.2067-2072, 2018 (SCI-Expanded)
- X. **Modelling of anisotropy and consolidation effect on behaviour of sunshine embankment: Australia**  
YILDIZ A., UYSAL F.  
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.14, pp.83-95, 2016 (SCI-Expanded)
- XI. **Numerical modelling of Haarajoki test embankment on soft clays with and without PVDs**  
YILDIZ A., UYSAL F.  
GEOMECHANICS AND ENGINEERING, vol.8, no.5, pp.707-726, 2015 (SCI-Expanded)
- XII. **Experimental and numerical analyses of circular footing on geogrid-reinforced granular fill underlain by soft clay**  
DEMİR A., YILDIZ A., Laman M., ÖRNEK M.  
ACTA GEOTECHNICA, vol.9, no.4, pp.711-723, 2014 (SCI-Expanded)
- XIII. **Large scale field tests on geogrid-reinforced granular fill underlain by clay soil**  
DEMİR A., Laman M., YILDIZ A., ÖRNEK M.  
GEOTEXTILES AND GEOMEMBRANES, vol.38, pp.1-15, 2013 (SCI-Expanded)
- XIV. **Field Test of Circular Footings on Reinforced Granular Fill Layer Overlying a Clay Bed**  
Laman M., YILDIZ A., ÖRNEK M., DEMİR A.  
GEOTECHNICAL TESTING JOURNAL, vol.35, no.4, pp.575-585, 2012 (SCI-Expanded)
- XV. **Prediction of bearing capacity of circular footings on soft clay stabilized with granular soil**  
ÖRNEK M., Laman M., DEMİR A., YILDIZ A.  
SOILS AND FOUNDATIONS, vol.52, no.1, pp.69-80, 2012 (SCI-Expanded)
- XVI. **NUMERICAL ANALYSIS OF CIRCULAR FOOTINGS ON NATURAL CLAY STABILIZED WITH A GRANULAR**

## FILL

ÖRNEK M., DEMİR A., LAMAN M., YILDIZ A.

ACTA GEOTECHNICA SLOVENICA, vol.9, no.1, pp.61-75, 2012 (SCI-Expanded)

### XVII. Numerical Analysis of Circular Footings on Natural Clay Stabilized with a Granular Fill

ÖRNEK M., DEMİR A., LAMAN M., YILDIZ A.

ACTA GEOTECHNICA SLOVENICA, vol.9, no.1, pp.61-75, 2012 (SCI-Expanded)

### XVIII. Numerical analyses of embankments on PVD improved soft clays

Yildiz A.

ADVANCES IN ENGINEERING SOFTWARE, vol.40, no.10, pp.1047-1055, 2009 (SCI-Expanded)

### XIX. Numerical modeling of vertical drains with advanced constitutive models

Yildiz A.

COMPUTERS AND GEOTECHNICS, vol.36, no.6, pp.1072-1083, 2009 (SCI-Expanded)

### XX. Effect of anisotropy and destructuration on behavior of Haarajoki test embankment

YILDIZ A., KARSTUNEN M., KRENN H.

International Journal of Geomechanics, vol.9, no.4, pp.153-168, 2009 (SCI-Expanded)

### XXI. Experimental and numerical studies of metal powders pressed by uniaxial floating die: Case copper and bronze

Eksi A. K., Laman M., ATIŞ C. D., Yildiz A., KURT A. O.

KOVOVE MATERIALY-METALLIC MATERIALS, vol.42, no.5, pp.339-352, 2004 (SCI-Expanded)

### XXII. Model studies of ring foundations on geogrid-reinforced sand

Laman M., Yildiz A.

GEOSYNTHETICS INTERNATIONAL, vol.10, no.5, pp.142-152, 2003 (SCI-Expanded)

## Articles Published in Other Journals

### I. Investigation of the effect of stone column design parameters on consolidation

UYSAL F., YILDIZ A.

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.1, pp.200-206, 2023 (Peer-Reviewed Journal)

### II. Stability Analyses of a Slope Reinforced with Piles Subjected to Static and Dynamic Loading Conditions

Tolun M., Un B., Emirler B., Yildiz A.

El-Cezeri Journal of Science and Engineering, vol.8, no.3, pp.1360-1371, 2021 (Scopus)

### III. 3D Numerical Modeling of a Single Pipe Pile Under Axial Compression Embedded in Organic Soil

Hamed M., Emirler B., Canakci H., Yildiz A.

GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.38, no.5, pp.4423-4434, 2020 (ESCI)

### IV. 3D Numerical Response of a Single Pile Under Uplift Loading Embedded in Sand

Emirler B., Tolun M., Yildiz A.

GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.37, pp.4351-4363, 2019 (ESCI)

### V. Eğik Çekme Yüğü Etkisindeki Tekil Kazığın Üç Boyutlu Sayısal Analizi

Emirler B., Tolun M., Yıldız A.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.34, no.2, pp.219-229, 2019 (Peer-Reviewed Journal)

### VI. Yumuşak Zemin Model Parametrelerinin Zemin Davranışına Etkisi

UYSAL F., BAĞRIAÇIK B., YILDIZ A.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.1, pp.95-104, 2018 (Peer-Reviewed Journal)

### VII. TAŞ KOLONLARIN OTURMALARIN AZALTILMASI ETKİSİNİN ANALİTİK OLARAK DEĞERLENDİRİLMESİ

UYSAL F., YILDIZ A.

Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.6, no.2, pp.593-601, 2017 (Peer-Reviewed Journal)

- VIII. **Effect of Zoledronic Acid on Osseointegration of Titanium Implants: An Experimental Study in an Ovariectomized Rabbit Model**  
Damlar I., ESEN E., KÜRKCÜ M., Yıldız A., DAĞLIOĞLU Y. K., Akova T.  
J Oral Maxillofac Surg, vol.0, pp.515-523, 2010 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Taş Kolonlarda Yük Paylaşım Oranlarının Araştırılması**  
YILDIZ A., BAĞRIAÇIK B., UYSAL F., SOULEY İ. A.  
3rd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, Adana, Turkey, 24 - 26 October 2018, pp.899-903
- II. **Strength improvement of sandy soil using biopolymer**  
SOULEY I. A., YILDIZ A., TANRIKULU A. H.  
3st International Mediterranean Science and Engineering Congress (IMSEC 2018), 24 - 26 October 2018
- III. **Determination of Load Sharing Ratios on Piled Raft Foundations**  
YILDIZ A., BAĞRIAÇIK B., DAĞAR U.  
III. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Gaziantep, Turkey, 21 - 22 June 2018, vol.6, pp.2168-2183
- IV. **FARKLI KAZIK YERLEŞİM AÇILARININ KAZIKLI RADYE TEMEL TAŞIMA KAPASİTESİNE ETKİSİ**  
BAĞRIAÇIK B., UYSAL F., YILDIZ A.  
3. Uluslararası Zemin-Yapı Etkileşimi Sempozyumu, 18 Ekim – 20 Ekim, 2017, İzmir, Turkey, 18 - 20 October 2017, pp.295-308
- V. **New developments in Constitutive Modelling of Soft Clays**  
YILDIZ A.  
2nd International Conference on Civil and Environmental Engineering, Nevşehir, Turkey, 8 - 10 May 2017
- VI. **Modelling Anisotropy and Destructuration Effects on Behaviour of Benchmark Embankment Constructed on Çukurova Region Clays**  
UYSAL F., BAĞRIAÇIK B., YILDIZ A.  
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Turkey, 8 - 10 May 2017, pp.2006-2014
- VII. **Numerical Solution for Consolidation Process Around Stone Column**  
UYSAL F., YILDIZ A.  
4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Lefkoşa, Cyprus (Kktc), 2 - 04 June 2016, vol.1, pp.135-142
- VIII. **Taş Kolonların Sayısal Analizi**  
ADELİ N., UYSAL F., YILDIZ A.  
5. Geoteknik Sempozyumu, 5-7 Aralık, Çukurova Üniversitesi, Adana, Turkey, 5 - 07 December 2013
- IX. **Grup Taş Kolon Yükleme Deneyi**  
ARSLAN A., UYSAL F., YILDIZ A., LEONI M.  
5. Geoteknik Sempozyumu, 5-7 Aralık, Çukurova Üniversitesi, Adana, Turkey, 5 - 07 December 2013
- X. **Settlement Analysis of Geogrid Reinforced Granular Fill Underlain by Clay**  
ÖRNEK M., DEMİR A., LAMAN M., YILDIZ A.  
10th International Congress on Advances in Civil Engineering (ACE2012), Ankara, Turkey, 17 - 19 October 2012, pp.1-8
- XI. **Analysis of ring footings using field test results**  
DEMİR A., ÖRNEK M., LAMAN M., YILDIZ A.  
3rd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Nicosia, 28 - 30 June 2012
- XII. **Numerical Analysis of an Embankment on Soft Clay Deposit with and without PVD Improvement**  
UYSAL F., YILDIZ A., MEKİK Z.

3rd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28 - 30 June 2012

**XIII. GEOGRİDLE GÜÇLENDİRİLMİŞ TABAKALI ZEMİNLERİN YATAK KATSAYISI MODÜLÜNÜN ARAŞTIRILMASI**

ÖRNEK M., DEMİR A., LAMAN M., YILDIZ A., BAĞRIAÇIK B.

Beşinci Ulusal Geosentetikler Konferansı, İstanbul, Turkey, 24 - 25 May 2012, pp.95-106

**XIV. Yumuşak Kil Zeminlerin Mühendislik Davranışının İleri Düzey Zemin Modelleri İle İncelenmesi**  
UYSAL F., YILDIZ A.

4. Geoteknik Sempozyumu, 1-2 Aralık, Çukurova Üniversitesi, Adana, Turkey, 1 - 02 December 2011

## Supported Projects

YILDIZ A., Project Supported by Higher Education Institutions, 1- Numerical modelling of Haarajoki test embankment on soft clays with and without PVDs 2- Modelling of anisotropy and consolidation effect on behaviour of sunshine embankment: Australia, 2017 - 2018

YILDIZ A., UYSAL F., Project Supported by Higher Education Institutions, Taş Kolon Konsolidasyon Davranışının Deneysel Olarak İncelenmesi, 2014 - 2016

YILDIZ A., Project Supported by Higher Education Institutions, Taş Kolon Davranışının Teorik ve Deneysel Olarak İncelenmesi, 2012 - 2015

## Metrics

Publication: 52

Citation (WoS): 207

Citation (Scopus): 273

H-Index (WoS): 7

H-Index (Scopus): 9