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International Researcher IDs

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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 dilatancy on tension response of completely rough piles embedded in granular soils

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

Ocean Engineering, vol.292, 2024 (SCI-Expanded)

- II. **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, vol.41, no.8, pp.935-947, 2023 (SCI-Expanded)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- 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 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)
- XIX. **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)
- XX. **Numerical modeling of vertical drains with advanced constitutive models**
Yildiz A.
COMPUTERS AND GEOTECHNICS, vol.36, no.6, pp.1072-1083, 2009 (SCI-Expanded)
- XXI. **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)
- XXII. **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.
KOVOLVE MATERIALY-METALLIC MATERIALS, vol.42, no.5, pp.339-352, 2004 (SCI-Expanded)
- XXIII. **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., Yildiz 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 Deconstruction 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: 56

Citation (WoS): 203

Citation (Scopus): 282

H-Index (WoS): 7

H-Index (Scopus): 9

Non Academic Experience

ÇUKUROVA ÜNİVERSİTESİ

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