

Assoc. Prof. Cem Akgüner



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International Researcher IDs

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Publons / Web Of Science ResearcherID: I-3887-2018

ScopusID: 25651373100

Yoksis Researcher ID: 10748

Education Information

Doctorate, The University of Texas at Austin, Graduate School, Civil Engineering, United States Of America 1996 - 2007

Postgraduate, Bogazici University, Institute Of Science, Civil Engineering, Turkey 1992 - 1995

Undergraduate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 1988 - 1992

Biography

Dr. Cem Akgüner has a Bachelor of Science Degree in Civil Engineering from İstanbul Technical University, a Master of Science in Geotechnical Engineering from the Boğaziçi University, and a Ph.D. in Geotechnical Engineering from the University of Texas at Austin. His Ph.D. work was focused on determining a practical methodology for varying soil conditions and layering to estimate the axial load-displacement behavior of single driven piles based on a synthesis of numerous pile load testing from California and additional in-situ/laboratory testing results. Dr. Akgüner has worked as a graduate research and teaching assistant for undergraduate/graduate courses at Yıldız Technical University (YTU) and UT-Austin during his studies. Prior to joining TED University in February 2014, he served as a lecturer/researcher between 2007 and 2014 at the YTU Civil Engineering Department. He has advised six masters' students and two PhD students. His recent research interests and projects are related to behavior of piles under axial/lateral loading, vertical/horizontal consolidation, soil improvement methods and their laboratory modeling, laboratory/in-situ testing, behavior of marginal/intermediate soils, multi-disciplinary works. He has published in numerous refereed journals and conference proceedings. He is a member of numerous national and international organizations related to Civil/Geotechnical Engineering.

Dissertations

Doctorate, The Elastic Analysis of Axial Load-Displacement Behavior of Single Driven Piles, The University of Texas at

Austin, Graduate School , Civil Engineering, 2007

Postgraduate, Constant Head Test Analysis in Partially Penetrating Wells, Bogazici University, Institute Of Science, Civil Engineering, 1995

Research Areas

Foundation Engineering, Soil Mechanics, Ground Improvement

Academic Titles / Tasks

Associate Professor, TED University, Faculty of Engineering, Department of Civil Engineering, 2014 - Continues

Assistant Professor, TED University, Faculty of Engineering, Department of Civil Engineering, 2014 - 2014

Lecturer PhD, Yildiz Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2007 - 2014

Academic and Administrative Experience

Fakülte Kurulu Üyesi, TED University, Faculty Of Engineering, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, TED University, Faculty Of Engineering, 2016 - Continues

Staj Koordinatörü, TED University, Faculty Of Engineering, Department Of Civil Engineering, 2015 - Continues

Executive Board Member, TED University, English Language School, 2014 - Continues

AkaStudent Recruitment and Academic Communication Coordinator, TED University, Rectorate, 2023 - 2024

Member of University Quality Commission, TED University, Rectorate, 2019 - 2024

Faculty Board Member, TED University, Faculty Of Arts And Sciences, 2021 - 2022

Rektörlük Stratejik Plan Komisyonu Üyesi, TED University, Rectorate, 2021 - 2022

Ethics Committee Member, TED University, Rectorate, 2016 - 2021

Rectorate Commissioner, TED University, Rectorate, Center for Teaching and Learning, 2020 - 2020

Fakülte Kurulu Üyesi, TED University, Faculty Of Econ. And Administ. Sciences, 2017 - 2020

Head of Department, TED University, Faculty Of Engineering, Department Of Civil Engineering, 2015 - 2020

Fakülte Kurulu Üyesi, TED University, Faculty Of Engineering, 2014 - 2020

Courses

Foundation Engineering II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017

Introduction to Probability and Statistics for Engineers, Undergraduate, 2023 - 2024, 2019 - 2020, 2018 - 2019

Soil Mechanics, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Foundation Engineering I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Civil Engineering Design, Undergraduate, 2020 - 2021

Civil Engineering Design, Undergraduate, 2020 - 2021

Summer Practice II, Undergraduate, 2019 - 2020, 2017 - 2018

Summer Practice I, Undergraduate, 2019 - 2020, 2016 - 2017

Introduction to Probability and Statistics for Engineers, Undergraduate, 2019 - 2020, 2018 - 2019

Materials Science, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Introduction to Calculus of One Variable, Undergraduate, 2015 - 2016, 2014 - 2015

Introduction to Probability Theory, Undergraduate, 2015 - 2016

Introduction to Information Technologies, Undergraduate, 2014 - 2015

Structure and Architecture, Undergraduate, 2014 - 2015

Introduction to Calculus of One Variable, Undergraduate, 2013 - 2014

Advising Theses

Akgüner C., Sustainability in Foundation Engineering, Postgraduate, N.Özen(Student), Continues

Huvaj Sarıhan N., Akgüner C., Geotechnical Properties of Coarse-Fine Mixtures and their Interaction with Geogrids through Large Direct Shear Testing, Doctorate, A.Ekici(Student), 2022

Berilgen M. M., Akgüner C., Investigation of dynamic soil – pile – structure interaction in clayey soils by numerical analysis, Doctorate, M.KİRKİT(Student), 2015

Akgüner C., Killi kum zeminlerde taş kolonların davranışının model deneylerle incelenmesi, Postgraduate, M.REFİK(Student), 2014

Akgüner C., Geotechnical investigation of a landslide: A case in Betic cordillera, Postgraduate, N.FAZIL(Student), 2013

Akgüner C., Kuru kumların düşük şekil değiştirme kayma modülünün piezoelektrik Bender elemanlar ile belirlenmesi, Postgraduate, L.ÖNER(Student), 2013

Akgüner C., Kaplamasız yolların geotekstil ile tasarımında analitik çözümle basitleştirilmiş yaklaşımların karşılaştırılması ve geotekstillerde enerji emilim potansiyelinin önemi, Postgraduate, H.AŞKIN(Student), 2011

Akgüner C., Türkiye'de yapılmış kazık yükleme deneylerinden veri tabanı oluşturulması ve veri tabanında bulunan kayaya soketli fore kazıkların analizi, Postgraduate, M.KİRKİT(Student), 2009

Jury Memberships

Competition, Hult Prize, Hult Prize, November, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of Fines Content and Plasticity on Index Properties and Hydraulic Conductivity of Coarse-Fine Mixtures**
Ekici A., Huvaj Sarıhan N., Akgüner C.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.34, no.5, 2022 (SCI-Expanded)
- II. **Revised stratigraphy of the Tertiary deposits of Istanbul and their engineering properties**
YILDIRIM M., TONAROĞLU M., SELÇUK M. E., Akgüner C.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.72, no.3-4, pp.413-420, 2013 (SCI-Expanded)
- III. **Axial bearing capacity of socketed single cast-in-place piles**
Akgüner C., Kirkit M.
SOILS AND FOUNDATIONS, vol.52, no.1, pp.59-68, 2012 (SCI-Expanded)
- IV. **Comparison of Rock-Socketed Pile Capacities Obtained from Load Testing and Empirical Methods**
Akgüner C., Kirkit M.
TEKNIK DERGI, vol.22, no.4, pp.5713-5723, 2011 (SCI-Expanded)
- V. **ADSORPTION AND PERMEABILITY OF CLAYS PERMEATED WITH FERROUS IRON AND MANGANESE**
TÜFEKÇİ N., ÖZÇOBAN M. Ş., YALÇIN S., Asci Y., Akgüner C.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.8B, pp.1703-1714, 2010 (SCI-Expanded)
- VI. **Simulation of torsional shear test results with neuro-fuzzy control system**
ALTUN S., Goektepe A. B., Ansal A. M., Akgüner C.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.29, no.2, pp.253-260, 2009 (SCI-Expanded)
- VII. **Discussion of "Staged Construction and Settlement of a Dam Founded on Soft Clay" by Sukru Ozcoban, Mehmet M. Berilgen, Havvanur Kilic, Tuncer B. Edil, and I. Kutay Ozaydin**

Akgüner C., Won J.

JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.134, no.12, pp.1833-1834, 2008 (SCI-Expanded)

VIII. **Fatigue analysis of stabilised cement with image processing**

Goktepe A. B., Lav A. H., ALTUN S., Akgüner C., Sezer A.

PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-TRANSPORT, vol.161, no.4, pp.197-206, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determination of the time rate of radial consolidation using laboratory inflow consolidation testing**
Akgüner C.
Geotechnical Special Publication, no.233, pp.352-357, 2014 (Scopus)
- II. **İstanbul Tersiyer Çökellerinin Yeni Stratigrafisi ve Mühendislik Özellikleri**
YILDIRIM M., Akgüner C., Tonaroğlu M., Selçuk M. E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, pp.323-334, 2010 (Peer-Reviewed Journal)
- III. **A NEW STRATIGRAPHY OF ISTANBUL TERTIARY DEPOSITS AND THEIR ENGINEERING PROPERTIES**
YILDIRIM M., Akgüner C., TONAROĞLU M., SELÇUK M. E.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.28, no.4, pp.323-334, 2010 (ESCI)
- IV. **Some Applications of Wind Turbines in Turkey**
Yıldırım M., Akgüner C., Tonaroğlu M., Selçuk M. E., Yıldırım G.
University of Oradea Faculty of Architecture and Constructions, Constructions and Hydro-Utility Installations, vol.13, no.2, pp.359-368, 2010
- V. **İstanbul İli, Avrupa Yakası Kemerburgaz Katı Atık Depolama Alanının Çevresel Etki Değerlendirilmesi Açısından Jeolojik Hidrojeolojik Koşulları**
YILDIRIM M., Özaydın İ. K., Akgüner C.
Jeoloji Mühendisliği Dergisi, no.47, pp.8-13, 1996 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Index Properties and Classification of Marginal Fills or Coarse-Fine Mixtures**
HUVAJ SARIHAN N., Ekici A., Ekici A., Akgüner C.
8th International Conference on Case Histories in Geotechnical Engineering: Engineering Geology, Site Characterization, and Geophysics, Geo-Congress 2019, Pennsylvania, United States Of America, 24 - 27 March 2019, vol.2019-March, pp.91-99
- II. **İnşaat Mühendisliği Lisans Eğitiminin Bir Parçası Olarak Araştırma ve Sosyal Sorumluluk**
ÇALAMAK M., Akgüner C.
4. İnşaat Mühendisliği Eğitimi Sempozyumu, İzmir, Turkey, 17 - 18 November 2017, pp.74-82
- III. **Açık Kazı Yapılan Kömür Ocaklarından Stabilite Problemleri Soma Heyelanı Örneği**
YILDIRIM M., TONAROĞLU M., Akgüner C., SELÇUK M. E.
ZM.16 - Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi, Erzurum, Turkey, 13 October - 14 November 2016, vol.2, pp.755-760
- IV. **Açık Kazı Yapılan Kömür Ocaklarında Stabilite Problemleri Soma Heyelanı Örneği**
YILDIRIM M., TONAROĞLU M., Akgüner C., SELÇUK M. E.
Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi, Turkey, 13 - 14 October 2016
- V. **Killi Zeminlerde Zemin Kazık Yapı Etkileşimi**
KİRKİT M., Akgüner C., BERİLGİN M. M.
Zemin Mekaniği ve Geoteknik Mühendisliği 16. Ulusal Kongresi, Erzurum, Turkey, 13 - 15 October 2016

- VI. **Piyezoelektrik Bender Elemanlar İle Kayma Dalgası Hızının Belirlenmesi**
ÖNER L., Akgüner C., BERİLGİN M. M.
1. Ulusal Genç Geoteknik Mühendisleri Sempozyumu, Turkey, 12 October 2016
- VII. **Dewatering of Dredged Sludge with Geotubes Effects of Polymer Additive Type and Amount**
BERİLGİN S. A., TONAROĞLU M., Akgüner C., BULUT T.
6th European Geosynthetics Congress, 25 - 28 September 2016
- VIII. **Dewatering of Dredged Sludge with Geotubes Effects of Polymer Additive Type and Amount**
BERİLGİN S. A., TONAROĞLU M., Akgüner C., Bulut B. T.
6th EUROPEAN GEOSYNTHETICS CONGRESS, 25 - 28 September 2016, pp.1507-1518
- IX. **Behavior of Stone Columns in Clayey Sand Soils – Laboratory Model Tests and Numerical Comparisons**
Kurtoğlu M. R., Akgüner C.
12th International Congress on Advances in Civil Engineering (ACE 2016), İstanbul, Turkey, 21 September 2016
- X. **Dewatering of Dredged Sludge with Geotubes: Effects of Polymer Additive Type and Amount**
Berilgen S. A., Tonaroglu M., Akgüner C., Turan Bulut B.
6th European Geosynthetics Congress (EuroGeo6), Ljubljana, Slovenia, 25 August 2016, pp.1507-1518
- XI. **Effects of Sample Trimming on Undrained Shear Strength of Clays**
Akgüner C., KIRKİT M.
Fourth International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Lefkoşa, Cyprus (Kkct), 2 - 04 June 2016, pp.355-361
- XII. **Estimating load-displacement Behavior of soft clays**
TONAROĞLU M., Akgüner C., SELÇUK M. E.
3rd Australasia and South East Asia Conference on Structural Engineering and Construction, ASEA-SEC-3 2016, Kuching, Malaysia, 31 October - 04 November 2016, vol.3
- XIII. **Investigation of a landslide area in the Betic Cordillera Region in Granada, Spain**
Fidan N. F., Akgüner C., Jenoui R. E. H.
12th International Symposium on Landslides, Napoli, Italy, 12 - 19 June 2016, pp.885-892
- XIV. **Model Taş Kolonların Sayısal Analizi**
DEMİR S., KURTOĞLU M. R., Akgüner C., BERİLGİN M. M.
Zemin Mekaniği ve Temel Mühendisliği 15.Ulusal Kongresi, Turkey, 16 - 17 October 2014
- XV. **The Effect of Piles on Foundation Input Motion Used in Seismic Design**
KIRKİT M., Akgüner C., BERİLGİN M. M.
Prof. Dr. Kutay ÖZAYDIN Onuruna Geoteknikte Gelişmeler ve Deneyimler Sempozyumu, İstanbul, Turkey, 02 June 2014
- XVI. **Taranmış Çamurların Geotekstil Tüpler Yardımıyla Susuzlaştırılması Hızlı Susuzlaştırma RDT Deneyleri**
BEGÜM T. B., BERİLGİN S. A., Akgüner C.
Altıncı Ulusal Geosentetikler Konferansı (G6), Turkey, 28 - 29 May 2014, pp.49-60
- XVII. **Comparison Of Behavior Of Stone Columns And Rammed Aggregate Piers Based On Laboratory Model Tests**
DEMİR S., KURTOĞLU M. R., ÖZENER P., Akgüner C.
International Civil Engineering & Architecture Symposium for Academicians, 17 - 20 May 2014, pp.126-136
- XVIII. **Kazıklı Temelerde Tabaka Kalınlığının Zemin Yapı Etkileşimine Etkisi**
KIRKİT M., BERİLGİN M. M., Akgüner C., TACIROĞLU E.
Zemin Mekaniği ve Temel Mühendisliği 2. Özel Konulu Sempozyumu, Antalya, Turkey, 24 - 25 April 2014
- XIX. **Darbeli Taş Kolon Zemin Yük Paylaşım Mekanizmasının Model Deneylerle İncelenmesi**
DEMİR S., ÖZENER P., Akgüner C.
5. Geoteknik Sempozyumu, Turkey, 5 - 07 December 2013
- XX. **Kuru Kumların Düşük Şekil Değiştirme Kayma Modülünün Piyezoelektrik Bender Elemanlar İle Belirlenmesi**
ÖNER L., Akgüner C., BERİLGİN M. M.

İMO 5. Geoteknik Sempozyumu, Adana, Turkey, 5 - 07 December 2013

- XXI. **Effect of Single Pile on Site Response**
KİRKİT M., TACİROĞLU E., BERİLGİN M. M., Akgüner C.
11th International Conference on Vibration Problems, LİZBON, Portugal, 9 - 12 September 2013
- XXII. **Effect of Seismicity on Infrastructure Pipelines**
COŞAR A., KOÇAK A., ÖZÇOBAN M. Ş., Akgüner C.
2nd International Balkans Conference on Challenges of Civil Engineering, Tirane, Albania, 23 - 25 May 2013
- XXIII. **Soketli Bir Fore Kazığının Sayısal ve Ampirik Analizi**
KİRKİT M., DEMİR S., Akgüner C., KILIÇ H.
Zemin Mekaniği ve Temel Mühendisliği 14. Ulusal Kongresi, Isparta, Turkey, 25 - 26 October 2012, vol.1, pp.421-430
- XXIV. **Sokeli Bir Fore Kazığının Sayısal ve Ampirik Analizi**
KİRKİT M., DEMİR S., Akgüner C., KILIÇ H.
Zemin Mekaniği ve Temel Mühendisliği 14. Ulusal Kongresi, Turkey, 4 - 05 October 2012
- XXV. **Darbeli Kırmataş Kazıklarının Model Deneylerle İncelenmesi**
BERİLGİN M. M., ŞAMİL A., Akgüner C., BERİLGİN S. A.
Zemin Mekaniği ve Temel Mühendisliği 14. Ulusal Kongresi, Isparta, Turkey, 4 - 05 October 2012, vol.2, pp.715-724
- XXVI. **Darbeli Kırmataş Kazıklarının Model Deylerle İncelenmesi**
BERİLGİN M. M., ATAMAN Ş., Akgüner C., BERİLGİN S. A.
Zemin Mekaniği ve Temel Mühendisliği Ondördüncü Ulusal Kongresi, Isparta, Turkey, 4 - 05 October 2012
- XXVII. **Investigation of Soil Behavior In Construction of Rammed Aggregate Piers**
ATAMAN Ş., BERİLGİN S. A., Akgüner C., BERİLGİN M. M.
3rd International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 28 - 30 June 2012, pp.539-546
- XXVIII. **Investigation of Soil Behaviour Rammed Aggregate Piers**
ATAMAN Ş., BERİLGİN S. A., Akgüner C., BERİLGİN M. M.
3rd International Conf. On New Developments in Soil Mechanics and Geotechnical Engineering, 28 - 30 June 2012
- XXIX. **Yumuşak Killi Zeminlerde Geotekstil Sargılı Taş Kolonlarla Zemin İyileştirilmesinin Laboratuvar Model Deneyleriyle Araştırılması**
BERİLGİN S. A., EMRAH N., Akgüner C.
5. Ulusal Geosentetikler Konferansı (G5), İstanbul, Turkey, 24 - 25 May 2012, vol.1, pp.177-188
- XXX. **Numerical analyses of axial load capacity of rock socketed piles in Turkey**
Kirkıt M., KILIÇ H., Akgüner C.
7th European Conference on Numerical Methods in Geotechnical Engineering, NUMGE 2010, Trondheim, Norway, 2 - 04 June 2010, pp.649-653
- XXXI. **Kazık Yükleme Deneyleri Veri Tabanı Programı**
Akgüner C.
Zemin Mekaniği ve Temel Mühendisliği 13. Ulusal Kongresi, İstanbul, Turkey, 30 September - 01 October 2010, pp.525-533
- XXXII. **Empirical correlations of young's modulus for displacements of driven piles**
Akgüner C., Olson R. E.
Contemporary Topics in In Situ Testing, Analysis, and Reliability of Foundations - 2009 International Foundation Congress and Equipment Expo, Orlando, FL, United States Of America, 15 - 19 March 2009, pp.270-277
- XXXIII. **Cyclic shear strength of silts and sands under cyclic loading**
Altun S., Göktepe A. B., Akgüner C.
Geo-Frontiers 2005, Austin, TX, United States Of America, 24 - 26 January 2005, pp.1365-1375
- XXXIV. **Environmental impact assessment of solid waste landfill sites in Istanbul**
Yıldırım M., Ozaydin K., Akgüner C.
International Conference on Environmental Pollution (ICEP-3), Budapest, Hungary, 15 - 19 April 1996, pp.290-297

Supported Projects

Keskin R. S. O., Özcebe G., Kale Ö., Numanoğlu Genç A., Aktaş C. B., Akgüner C., Gödek Hayal N. P., Aydın M. F., EU Supported Other Project, BORIS2 - Cross BOrder RiSk assessment for increased prevention and preparedness in Europe: way forward, 2024 - 2025

Keskin R. S. O., Akgüner C., Aktaş C. B., Pamuk Ö. C., Aydın M. F., TÜBİTAK Project, 2009 Yılında Güçlendirme Uygulanmış Binada Hasar Tespit Çalışması, 2023 - 2023

Rodoplu U., Eliş Türkmen P. B., SÜNER PLA CERDA S., Ocak E., Akgüner C., Development Agency, Sosyal Sorunlara Yenilikçi Çözümler Üretilmesinde Tasarım Odaklı ve Disiplinlerarası bir Arayüz Kurulumu Fizibilitesi, 2019 - 2020
Eliş B., Ocak E., Süner Pla Cerda S., Rodoplu U., Akgüner C., The Feasibility of Establishment of Design-Oriented and Interdisciplinary Interface in Creating Innovative Solutions to Social Problems, 2019 - 2019

Memberships / Tasks in Scientific Organizations

Turkish Road Association, Member, 2019 - Continues, Turkey

International Society of Soil Mechanics and Geotechnical Engineering, Member, 2011 - Continues, United States Of America

International Geosynthetics Society, Member, 2011 - Continues, United States Of America

Turkish Society of Soil Mechanics and Geotechnical Engineering, Member, 2011 - Continues, Turkey

Turkish Chapter of the International Geosynthetics Society, Member, 2011 - Continues, Turkey

Chamber of Civil Engineers, Member, 1992 - Continues, Turkey

Scientific Refereeing

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, August 2022

Bilecik Seyh Edebali University Journal of Science, National Scientific Refreed Journal, July 2022

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, SCI Journal, January 2022

TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, April 2021

MEASUREMENT: JOURNAL OF THE INTERNATIONAL MEASUREMENT CONFEDERATION, January 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, January 2020

GEOMECHANICS AND GEOENGINEERING, January 2020

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, January 2019

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, January 2019

SOILS AND FOUNDATIONS, January 2019

TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, January 2019

2nd National Tunnelling and Underground Space Congress and Exhibition, January 2019

8th International Geotechnical Symposium, January 2019