

Prof. SAMİ OĞUZHAN AKBAŞ

Personal Information

Email: soakbas@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/soakbas>

International Researcher IDs

ScholarID: nYcdMh0AAAAJ

ORCID: 0000-0002-7872-1604

ScopusID: 35104310000

Yoksis Researcher ID: 132468

Education Information

Doctorate, Cornell University, İnşaat Mühendisliği, United States Of America 2002 - 2007

Postgraduate, Cornell University, United States Of America 1998 - 1999

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 1993 - 1997

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Deterministic and probabilistic assessment of settlements of shallow foundations in cohesionless soils, Cornell University, İnşaat Mühendisliği, 2007

Research Areas

Geotechnical, Foundation Engineering, Soil Mechanics, Underground Construction, Deep Excavation, Ground Improvement, Soil Dynamics

Academic Titles / Tasks

Professor, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Associate Professor, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2011 - 2018

Assistant Professor, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2009 - 2011

Research Assistant, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2001 - 2009

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, 1997 - 1998

Academic and Administrative Experience

Advising Theses

- AKBAŞ S. O., Evaluation Of Spt - Soil Strength And Compressibility Correlations For Cohesive Soil Conditions In Turkey, Postgraduate, E.TUÇ(Student), 2019
- AKBAŞ S. O., Application Of Finite Element Method In Geotechnical Risk Analysis: An Application For Supported Deep Excavations, Postgraduate, S.Bozkurt(Student), 2019
- AKBAŞ S. O., Comparative Investigation Of Time Dependent Consolidation Behavior Of The Embankment St:241+200 Of Northern Marmara Highway Project With Land Measurements And Numerical Modeling, Postgraduate, B.KILIÇOĞLU(Student), 2019
- AKBAŞ S. O., Geoteknik risk analizinde sonlu elemanlar teorisinin kullanımı: Destekli derin kazılar için bir uygulama, Postgraduate, S.BOZKURT(Student), 2019
- AKBAŞ S. O., A Comparison Of Instrumental And Classical Pile Load Results: Example From Ankara-Sivas Railway Project, Postgraduate, C.KANDEMİR(Student), 2019
- AKBAŞ S. O., Kohezyonlu zeminler için önerilen SPT ile zemin dayanımı ve sıkışabilirlik özellikleri arasındaki ilişkilerin Türkiye zemin koşulları için irdelenmesi, Postgraduate, E.TUÇ(Student), 2019
- AKBAŞ S. O., Zemin çivileriyle güçlendirilmiş iksa yapılarında sistem performansını ve güvenilirliğini etkileyen faktörlerin vaka analizleri ile araştırılması, Postgraduate, A.SELİN(Student), 2017
- AKBAŞ S. O., Gömülü iletim hattı yapılarında darbe etkilerinin geosentetikler vasıtası ile azaltımı, Doctorate, G.BABAGİRAY(Student), 2017
- AKBAŞ S. O., A Study On The Reduction Of Impact Effects On Buried Lifeline System Components By Geosynthetics, Doctorate, G.Babagiray(Student), 2017
- AKBAŞ S. O., Comparison Of The Instrumentation Results Obtained From Supported Deep Excavation Case Histories With Finite Element Analyses, Postgraduate, C.RUHİ(Student), 2017
- AKBAŞ S. O., Derin karıştırma kolonlarının ölçülen ve hesaplanan kapasitelerinin tam ölçekli yükleme deneyleri ile incelenmesi, Postgraduate, Z.KAYA(Student), 2016
- AKBAŞ S. O., Kırıkkale şehir merkezinin deprem risk analizi ve sismik mikrobölgelemesi, Doctorate, Y.BÜLENT(Student), 2016
- AKBAŞ S. O., A Study On The System Performance And Reliability Of Soil Nail Walls Using Case Histories, Postgraduate, A.Selin(Student), 2016
- AKBAŞ S. O., An Assessment Of Measured And Calculated Capacities Of Deep Mixing Columns Using Full Scale Load Test Results, Postgraduate, Z.Kaya(Student), 2016
- AKBAŞ S. O., Application Of Random Field Finite Element Method In Geotechnical Risk Analysis: An Application For Shallow Foundations, Postgraduate, E.TÜRK(Student), 2014
- AKBAŞ S. O., Assessment of the reinforcing effect of geogrids on eccentrically loaded foundations, Postgraduate, S.FARSHAD(Student), 2013
- AKBAŞ S. O., Experimental and numerical investigation of the behavior of eccentrically loaded shallow foundations on cohesionless soils reinforced with geogrid layers, Doctorate, A.CEM(Student), 2013
- ANIL Ö., AKBAŞ S. O., Investigation of stress distribution and settlement profiles of different shaped foundations with experimental and finite elements analysis method, Postgraduate, S.BABAGİRAY(Student), 2012
- AKBAŞ S. O., The comparison of the calculated and observed behavior of an achoreged retaining wall, Postgraduate, H.KARATAĞ(Student), 2012
- ÜNSAL N., AKBAŞ S. O., Reliability based design optimization of foundations and reliability based design of shallow foundations considering earthquake loading in cohesionless soils, Doctorate, E.TEKİN(Student), 2012
- AKBAŞ S. O., Estimation of vulnerability against snow avalanches for village- type Turkish buildings, Postgraduate, E.DURAK(Student), 2011
- AKBAŞ S. O., Liquefaction analysis of city of Ardebil-Iran, Postgraduate, S.ASIABI(Student), 2010
- AKBAŞ S. O., Investigation of bearing capacity estimation methods and the effect of rigid layer for rigid shallow

Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, İstanbul Teknik Üniversitesi, September, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Case study of a foundation failure induced by cyclic softening of clay during the 2023 Kahramanmaraş earthquakes**
Tonyalı İ., AKBAŞ S. O., Beyaz T., KAYABALI K., GÖKÇEOĞLU C.
Engineering Geology, vol.332, 2024 (SCI-Expanded)
- II. **Type and Layout Arrangement of Geosynthetics for Enhancing Energy Dissipation on Buried Pipes Under Impact Loads**
Babagiray G., AKBAŞ S. O., Anil O.
INTERNATIONAL JOURNAL OF CIVIL ENGINEERING, vol.22, no.2, pp.317-331, 2024 (SCI-Expanded)
- III. **Full-Scale Field Impact Load Experiments on Buried Pipes in Geosynthetic-Reinforced Soils**
BABAGİRAY G., Oguzhan Akbas S. O., ANIL Ö.
TRANSPORTATION GEOTECHNICS, vol.38, 2023 (SCI-Expanded)
- IV. **INVESTIGATION OF THE IMPACT BEHAVIOR WHEN USING SINGLE AND DOUBLE LAYERS OF GEOSYNTHETICS ON BURIED PIPE STRUCTURES**
Babagiray G., Akbaş S. O., Anil Ö.
ACTA GEOTECHNICA SLOVENICA, vol.2021, no.2, pp.83-104, 2021 (SCI-Expanded)
- V. **Expanded Database Assessment of Design Methods for Spread Foundations under Axial Compression and Uplift Loading**
Tang C., Phoon K., Li D., AKBAŞ S. O.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.146, no.11, 2020 (SCI-Expanded)
- VI. **Predicting groutability of granular soils using adaptive neuro-fuzzy inference system**
TEKİN E., AKBAŞ S. O.
NEURAL COMPUTING & APPLICATIONS, vol.31, no.4, pp.1091-1101, 2019 (SCI-Expanded)
- VII. **Linear and nonlinear site response analyses to determine dynamic soil properties of Kirikkale**
Sonmezer Y. B., BAŞ S., IŞIK N. S., AKBAŞ S. O.
GEOMECHANICS AND ENGINEERING, vol.16, no.4, pp.435-448, 2018 (SCI-Expanded)
- VIII. **Effects of the use of the surface spectrum of a specific region on seismic performances of R/C structures**
Sonmezer Y. B., KALKAN İ., BAŞ S., AKBAŞ S. O.
NATURAL HAZARDS, vol.93, no.3, pp.1203-1229, 2018 (SCI-Expanded)
- IX. **Seismic risk estimation of the Kirikkale province through street survey based rapid assessment method (SSRA)**
Sonmezer Y. B., BAŞ S., AKBAŞ S. O.
EARTHQUAKES AND STRUCTURES, vol.14, no.6, pp.615-626, 2018 (SCI-Expanded)
- X. **A Numerical Modelling Based Parametric Study on the Bearing Capacity of Shallow Foundations on Cohesionless Soils Underlain by a Shallow Rigid Layer**
Babagiray G., Akbaş S. O.
TEKNIK DERGI, vol.29, no.1, pp.8185-8198, 2018 (SCI-Expanded)
- XI. **Investigation of the impact behavior of steel and composite pipes with protective layer**
ANIL Ö., AKBAŞ S. O., Gezer O., Yilmaz M. C.
STRUCTURAL CONCRETE, vol.18, no.3, pp.421-432, 2017 (SCI-Expanded)

- XII. **Experimental and finite element analyses of footings of varying shapes on sand**
ANIL Ö., AKBAŞ S. O., Babagiray S., Gel A. C., Durucan C.
GEOMECHANICS AND ENGINEERING, vol.12, no.2, pp.223-238, 2017 (SCI-Expanded)
- XIII. **ASSESSMENT OF THE SWELLING AND LIME STABILIZATION POTENTIAL OF GOLBASI (ANKARA) RESIDENTIAL AREA CLAYS**
Ozturk Y. Z., ÜNSAL N., AKBAŞ S. O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.2, pp.309-318, 2015 (SCI-Expanded)
- XIV. **ASSESSMENT OF THE PEAK ACCELERATION, AMPLIFICATION RATIO AND FUNDAMENTAL PERIOD PROPERTIES FOR THE KIRIKKALE PROVINCE SETTLEMENT AREA**
Sonmezer Y. B., AKBAŞ S. O., IŞIK N. S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.30, no.4, pp.711-721, 2015 (SCI-Expanded)
- XV. **Methods for the Characterization of the Vulnerability of Elements at Risk**
Sterlacchini S., AKBAŞ S. O., Blahut J., Mavrouli O., Garcia C., Luna B. Q., Corominas J.
MOUNTAIN RISKS: FROM PREDICTION TO MANAGEMENT AND GOVERNANCE, vol.34, pp.233-273, 2014 (SCI-Expanded)
- XVI. **Methods for Debris Flow Hazard and Risk Assessment**
Luna B. Q., Blahut J., Kappes M., AKBAŞ S. O., Malet J., Remaitre A., van Asch T., Jaboyedoff M.
MOUNTAIN RISKS: FROM PREDICTION TO MANAGEMENT AND GOVERNANCE, vol.34, pp.133-177, 2014 (SCI-Expanded)
- XVII. **Evaluation of blast-induced ground vibration effects in a new residential zone**
Dogan O., ANIL Ö., AKBAŞ S. O., KANTAR E., Erdem R. T.
SOIL DYNAMICS AND EARTHQUAKE ENGINEERING, vol.50, pp.168-181, 2013 (SCI-Expanded)
- XVIII. **THE EFFECT OF A SHALLOW RIGID LAYER ON THE BEARING CAPACITY OF FOOTINGS ON COHESIONLESS SOILS**
BABAGIRAY G., AKBAŞ S. O., ANIL Ö.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.28, no.1, pp.187-197, 2013 (SCI-Expanded)
- XIX. **Vibration measurement and vulnerability analysis of a power plant cooling system**
Anil Ö., AKBAŞ S. O., KANTAR E., Gel A. C.
Smart Structures and Systems, vol.11, no.2, pp.199-215, 2013 (SCI-Expanded)
- XX. **Predicted and Observed Deformation Behavior of Akkopru Dam**
AKBAŞ S. O., Sak I.
TEKNIK DERGI, vol.23, no.3, pp.6063-6087, 2012 (SCI-Expanded)
- XXI. **Closure to "Axial Compression of Footings in Cohesionless Soils. II: Bearing Capacity" by Sami O. Akbas and Fred H. Kulhawy**
AKBAŞ S. O., Kulhawy F. H.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.137, no.9, pp.856-857, 2011 (SCI-Expanded)
- XXII. **Artificial neural networks approach for estimating the groutability of granular soils with cement-based grouts**
Tekin E., AKBAŞ S. O.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.70, no.1, pp.153-161, 2011 (SCI-Expanded)
- XXIII. **The application of numerical debris flow modelling for the generation of physical vulnerability curves**
Luna B. Q., Blahut J., van Westen C. J., Sterlacchini S., van Asch T. W. J., AKBAŞ S. O.
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES, vol.11, no.7, pp.2047-2060, 2011 (SCI-Expanded)
- XXIV. **Closure to "Axial Compression of Footings in Cohesionless Soils. I: Load-Settlement Behavior" by Sami O. Akbas and Fred H. Kulhawy**
AKBAŞ S. O., Kulhawy F. H.

- JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.137, no.1, pp.110, 2011 (SCI-Expanded)
- XXV. **ESTIMATION OF THE GROUTABILITY OF GRANULAR SOILS WITH CEMENT-BASED GROUTS USING DISCRIMINANT ANALYSIS**
TEKİN E., AKBAŞ S. O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.3, pp.625-633, 2010 (SCI-Expanded)
- XXVI. **Reliability-Based Design Approach for Differential Settlement of Footings on Cohesionless Soils**
AKBAŞ S. O., Kulhawy F. H.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.12, pp.1779-1788, 2009 (SCI-Expanded)
- XXVII. **Axial Compression of Footings in Cohesionless Soils. I: Load-Settlement Behavior**
AKBAŞ S. O., Kulhawy F. H.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.11, pp.1562-1574, 2009 (SCI-Expanded)
- XXVIII. **Axial Compression of Footings in Cohesionless Soils. II: Bearing Capacity**
AKBAŞ S. O., Kulhawy F. H.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.135, no.11, pp.1575-1582, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **The effect of incorporating vertical spatial variability on the probabilistic analysis of a deep excavation: a case study**
Korkut D. E., Akbaş S. O.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.26, no.3, pp.1233-1242, 2023 (ESCI)
- II. **Finite element-based geotechnical risk analysis for anchor-supported deep excavations**
Bozkurt S., Akbaş S. O.
ARABIAN JOURNAL OF GEOSCIENCES, vol.16, no.8, pp.470, 2023 (Peer-Reviewed Journal)
- III. **Effect of Wall Stiffness on Excavation-Induced Horizontal Deformations in Stiff-Hard Clays**
Ucdemir G., Akbas S.
Gazi University Journal of Science Part A: Engineering and Innovation, vol.10, no.2, pp.113-130, 2023 (Peer-Reviewed Journal)
- IV. **Estimation of resistance factors for reliability-based design of shallow foundations in cohesionless soils under earthquake loading**
AKBAŞ S. O., TEKİN E.
Geotechnical Special Publication, no.229, pp.555-569, 2013 (Scopus)
- V. **Characterization and Estimation of Geotechnical Variability in Ankara Clay A Case History**
AKBAŞ S. O., Kulhawy F.
Geotechnical and Geological Engineering, vol.28, no.5, pp.619-631, 2010 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Zeminlerde ve Kayada Su Akımı**
AKBAŞ S. O.
in: Geoteknik Mühendisliğine Giriş, Ayfer Erken, Editor, Nobel Akademik Yayıncılık, pp.272-344, 2015
- II. **Methods for the Characterization of the Vulnerability of Elements at Risk**
sterlacchini s., AKBAŞ S. O., blahut j., mavrouli o., garcia c., Quan Luna b., corominas j.
in: Mountain Risks: From Prediction to Management and Governance., Van Asch T., Corominas J., Greiving S., Malet

JP., Sterlacchini S., Editor, Springer, pp.233-273, 2014

III. Methods for Debris Flow Hazard and Risk Assessment

Quan Luna B., Blahut J., Kappes M., AKBAŞ S. O., malet J. P., Remaitre A., Van Asch T., Jaboyedoff M.
in: Mountain Risks: From Prediction to Management and Governance, Van Asch T., Corominas J., Greiving S., Malet
JP., Sterlacchini S., Editor, Springer, pp.133-177, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization and stabilization of a mine waste dump-landslide**
Türk E., Dumanlılar Ö., AKBAŞ S. O.
Rocscience International Conference: The Evolution of Geotech, Canada, 20 April 2021, pp.657-663
- II. **The importance of designer-contractor communication in geotechnical design as exemplified by a cut slope failure**
Anafarta D., Türk E., AKBAŞ S. O.
5th International Conference on New Advances in Civil Engineering, 8 - 10 November 2019
- III. **Finite Element-Based Geotechnical Risk Analysis For Anchor-Supported Deep Excavations**
bozkurt s., AKBAŞ S. O.
1st Mediterranean Young Geotechnical Engineers Conference, Muğla, Turkey, 23 - 24 September 2019, pp.159-166
- IV. **Geoteknik risk analizinde sonlu elemanlar teorisinin kullanımı: Ankraj destekli derin kazılar için bir uygulama**
bozkurt s., AKBAŞ S. O.
International Congress on Engineering and Architecture (ENAR-2018), 14 - 16 November 2018
- V. **Results of full-scale field impact load tests on HDPE pipes with geogrid protective layer**
BABAGİRAY G., AKBAŞ S. O., ANIL Ö.
11th International Conference on Geosynthetics, Seoul, South Korea, 16 - 21 September 2018
- VI. **Evaluation and Consideration of Model Uncertainties in Reliability Based Design**
Lesny K., AKBAŞ S. O., Bogusz W., Burlon S., Vessia G., Zhang L.
Geo-Risk 2017: Reliability-based Design and Code Developments, Denver, United States Of America, 4 - 07 June 2017, vol.283, pp.435-444
- VII. **Evaluation of the Uncertainties Related to the Geotechnical Design Method and Its Consideration in Reliability Based Design**
Lesny K., AKBAŞ S. O., Bogusz W., Burlon S., Vessia G., Zhang L.
Geo-Risk Conference, Colorado, United States Of America, 4 - 07 June 2017, pp.435-444
- VIII. **Model Uncertainties for the Static Design of Square Foundations on Sand under Axial Compression**
Tang C., Phoon K., AKBAŞ S. O.
Geo-Risk Conference, Colorado, United States Of America, 4 - 07 June 2017, pp.151-160
- IX. **Investigation of Impact Behaviour of HDPE Pipes with Geocell Protective Layer**
BABAGİRAY G., AKBAŞ S. O., ANIL Ö.
6th European Geosynthetics Congress, 25 - 28 September 2016
- X. **Investigation of impact behavior of HDPE pipes with geocell protective layer**
Babagiray G., Akbaş S. O., Anil Ö.
6th European Geosynthetics Congress, Ljubljana, Slovenia, 25 - 28 September 2016, pp.762-773
- XI. **Local Spectrum Investigation and Its Effects on Earthquake Behavior of Existing RC Structures**
SÖNMEZER Y. B., AKBAŞ S. O., BAŞ S., KALKAN İ.
12th International Congress on Advances in Civil Engineering, 21 - 23 September 2016
- XII. **Importance of Instrumental Observations and Local Correlations in Terms of Sustainability of Solider Pile Structures**
Karatag H., AKBAŞ S. O.
2nd International Sustainable Buildings Symposium, Ankara, Turkey, 28 - 30 May 2015
- XIII. **Reliability Analysis of an Anchored Contiguous Pile Wall in Ankara Clay with the Random Set Finite**

Element Method

AKBAŞ S. O., Kokten O.

5th International Symposium on Geotechnical Safety and Risk (ISGSR), Rotterdam, Netherlands, 13 - 16 October 2015, pp.639-644

XIV. Influence of Strengthening with Perforated Steel Plates on the Behavior of Infill Walls and RC Frame

Özbek E., Kalkan İ., Akbaş S. O., Aykaç S.

ICCIE 2014 : International Conference on Civil and Infrastructure Engineering, Berlin, Germany, 22 - 23 May 2014, pp.511-516

XV. An inter disciplinary approach for earthquake vulnerability assessment in urban areas A case study of Central District Yalova

AKBAŞ S. O., GÜZEY Ö., AKSOY E., ANIL Ö., GÜLTEKİN N.

Regional Studies Association, Shape and be Shaped: The Future Dynamics of Regional Development Annual European Conference, Tampere, Finland, 5 - 08 May 2013

XVI. An investigation of the accuracy and the reliability of bearing capacity estimation methods for shallow foundations on cohesionless soils

Babagiray G., Akbaş S. O.

4. GEOTEKNİK SEMPOZYUMU, Adana, Turkey, 1 - 02 December 2011, pp.271-282

XVII. Reliability-based design of shallow foundations in cohesionless soils under compression loading: Ultimate limit state

AKBAŞ S. O., Kulhawy F. H.

11th International Conference on Applications of Statistics and Probability in Civil Engineering (IC ASP), Zürich, Switzerland, 1 - 04 August 2011, pp.1659-1665

XVIII. Model Uncertainties in "Terzaghi and Peck" Methods for Estimating Settlement of Footings on Sand

AKBAŞ S. O., kulhawy F. H.

GeoFlorida 2010, 20 - 24 February 2010

XIX. Critical assessment of existing physical vulnerability estimation approaches for debris flows

AKBAŞ S. O., Blahut J., Sterlacchini S.

Proceedings of landslide processes: from geomorphologic mapping to dynamic modeling, Strasbourg, 2 - 03 June 2009, vol.1, pp.6-7

XX. Evaluation of Capacity of Rock Foundation Sockets

kulhawy f., prakoso w., AKBAŞ S. O.

Alaska Rocks 2005, The 40th U.S. Symposium on Rock Mechanics, Anchorage, United States Of America, 25 - 29 June 2005

Supported Projects

AKBAŞ S. O., Project Supported by Higher Education Institutions, Sismik Yükler Altında Bulunan Sığ Temellerin Tasarımında Belirsizliklerin ve Güvenilirlik Seviyesinin Gerçekçi Olarak Belirlenmesi, 2011 - 2013

AKBAŞ S. O., Project Supported by Higher Education Institutions, RİJİT TABAKA ÜZERİNDE YER ALAN SONLU KALINLIKTAKİ GRANÜLER ZEMİNLERDE İNŞAAT EDİLEN SİĞ TEMELLERİN TAŞIMA KAPASİTESİ, 2011 - 2013

AKBAŞ S. O., Project Supported by Higher Education Institutions, Kohezyonsuz Zeminlere Oturan Sığ Temellerin Göçme Kapasitelerinin DeneySEL Olarak İncelenmesi, 2008 - 2009

Scientific Consultations

TCDD Teknik, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2021 - Continues

İlbank, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2019 - Continues

TEİAŞ, Scientific Consultancy, Gazi University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey, 2021 - 2022

Metrics

Publication: 69

Citation (WoS): 393

Citation (Scopus): 458

H-Index (WoS): 9

H-Index (Scopus): 10

Non Academic Experience

Devlet Su İşleri Genel Müdürlüğü