

## Prof. ERDAL ÇOKÇA

### Personal Information

**Office Phone:** [+90 210 243 5](tel:+902102435)

**Fax Phone:** [+90 210 540 1](tel:+902105401)

**Email:** [ecokca@metu.edu.tr](mailto:ecokca@metu.edu.tr)

**Web:** <https://avesis.metu.edu.tr/ecokca>

**Address:** Orta Doğu Teknik Üniversitesi İnşaat Mühendisliği Bölümü K1-301, 06800 Çankaya Ankara

### International Researcher IDs

ScholarID: 1aNtKY0AAAAJ

ORCID: 0000-0001-8367-2539

Publons / Web Of Science ResearcherID: AAR-8409-2020

ScopusID: 6701809540

Yoksis Researcher ID: 3065

### Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1986 - 1991

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1984 - 1986

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey 1979 - 1984

### Foreign Languages

English, C1 Advanced

### Research Areas

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

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2003 - Continues

### Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2011 - 2013

Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 2003 - 2006

Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, 1999 - 2003

## Advising Theses

- ÇOKÇA E., A LABORATORY STUDY ON THE USE OF LIME COLUMNS TO IMPROVE EXPANSIVE SOILS, Doctorate, İ.ÖZKAN(Student), 2021
- Çokça E., Finite Element Analysis of a Deep Excavation: A Case Study, Postgraduate, T.AKTAŞ(Student), 2019
- ÇOKÇA E., Evaluation of effect of sulfate on class c fly ash and lime stabilized expansive soil, Doctorate, M.As(Student), 2019
- Çokça E., Özkan M. Y., Finite Element Analysis of Deformation Behavior of Concrete Faced Konya Afşar Hadimi Dam and Comparison of Results with Measurements, Postgraduate, D.KARDEŞ(Student), 2019
- ÇOKÇA E., Stabilization of expansive soils by using red mud, Postgraduate, C.Çağlar(Student), 2019
- Çokça E., Lav M. A., Static and cyclic properties of expansive clays treated with lime and fly ash with special reference to swelling and resilient moduli, Doctorate, İ.SÜT(Student), 2018
- TÜRER A., ÇOKÇA E., Seismic resistant and ductile responding rammed earth walls reinforced with steel bars and hoops, Postgraduate, D.YILDIZ(Student), 2018
- ÇOKÇA E., A Study on the tensile strength of compacted Ankara clay and kaolin clay, Postgraduate, V.Dağar(Student), 2017
- ÇOKÇA E., A study on tensile strength of compacted Ankara clay and kaolin clay, Postgraduate, V.DAĞAR(Student), 2017
- ÇOKÇA E., Prediction of swelling behavior of expansive soils using modified free swell index, methylene blue and swell oedometer tests, Postgraduate, A.JALEHFOROUZAN(Student), 2016
- ÇOKÇA E., INFLUENCE OF SWELL ON SHEAR STRENGTH OF EXPANSIVE SOILS, Postgraduate, C.DELİKTAŞ(Student), 2016
- ÇOKÇA E., Deformation analysis of concrete faced Aydın Karacasu Dam and comparison of theoretical results with measurements, Postgraduate, T.TOSUN(Student), 2015
- ÇOKÇA E., Stabilization of an expansive soil using phosphogypsum, Postgraduate, İ.Özkan(Student), 2015
- ÇOKÇA E., Use of foundry sand as a landfill cap layer material, Postgraduate, U.AKKAYA(Student), 2015
- ÇOKÇA E., Comparison of deformations from 2d and 3d fem analysis with field measurements of a top down deep excavation in bağcılar metro station, Postgraduate, A.ONUR(Student), 2015
- ÇOKÇA E., Improvement of expansive soils by using phosphogypsum, Postgraduate, İ.ÖZKAN(Student), 2015
- ÇOKÇA E., Improvement of expansive soils by using cement kiln dust, Postgraduate, M.KAĞAN(Student), 2014
- PEKCAN O., ÇOKÇA E., Estimating swelling characteristics of clays using methylene blue test - a machine learning approach / , Postgraduate, G.Didem(Student), 2014
- ÇOKÇA E., PEKCAN O., Estimating swelling characteristics of clays using methylene blue test: A machine learning approach, Postgraduate, G.DİDEM(Student), 2014
- ÇOKÇA E., Effect of soil arching on lateral soil pressures acting upon rigid retaining walls, Postgraduate, N.AYDIN(Student), 2013
- ÇOKÇA E., Use of granulated blast furnace slag, steel slag and fly ash in cementbentonite slurry wall construction, Postgraduate, D.TALEFIROUZ(Student), 2013
- ÇOKÇA E., An experimental study on the treatment of expansive soils by granular materials, Doctorate, T.HERGÜL(Student), 2012
- ÇOKÇA E., Effect of cyclic swell – shrink on swell percentage of an expansive clay stabilized by class c fly ash, Postgraduate, M.As(Student), 2012
- ÇOKÇA E., Effect of cyclic swell?shrink on swell percentage of an expansive clay stabilized by class C fly ash, Postgraduate, M.AS(Student), 2012
- ÇOKÇA E., GÜLER M., Improvement of bearing capacity of a soft soil by the addition of fly ash, Postgraduate, M.AZİZ(Student), 2011
- ÇOKÇA E., Stabilization of expansive soils using waste marble dust, Postgraduate, O.BAŞER(Student), 2009
- ÇOKÇA E., Stabilization of expansive soils using bigadic zeolite (boron by-product), Postgraduate, G.DEMİRBAŞ(Student), 2009
- ÇOKÇA E., Effects of fly ash and desulphogypsum on the strength and permeability properties of Çayırhan soil, Postgraduate, M.ŞAHİN(Student), 2005
- ÇOKÇA E., Effects of fly ash and desulphogypsum on geotechnical properties of Çayırhan soil, Postgraduate, A.ÖZGÜR(Student), 2005

ÇOKÇA E., Effects of fly ash and desulphogypsum on the geotechnical properties of çayırhan soil, Postgraduate, A.Özgür(Student), 2005

ÇOKÇA E., Stabilization of expansive soils by Çayırhan fly ash and desulphogypsum, Postgraduate, S.İŞİK(Student), 2004

ÇOKÇA E., Stabilization of expansive soils using aggregate waste, rock powder and lime, Postgraduate, G.YEŞİLBAŞ(Student), 2004

ÇOKÇA E., Stabilization of expansive clays using granulated blast furnace slag (GBFS), GBFS - Lime combinations and GBFS cement, Postgraduate, V.YAZICI(Student), 2004

ÇOKÇA E., Stabilization of Expansive Soils by Using Aggregate Waste, Rock Powder and Lime, Postgraduate, G.Yeşilbaş(Student), 2004

ÇOKÇA E., Relationship between suction and shear strength parameters of compacted METU campus clay, Postgraduate, H.PARS(Student), 2003

ÇOKÇA E., Behavior and stability of dispersive soils with c type fly ash, Postgraduate, F.TOKTAŞ(Student), 2001

ÇOKÇA E., Behavior and stabilization of dispersive soils with c type fly ash, Postgraduate, F.Toktaş(Student), 2001

ÇOKÇA E., Shear strength and volume change characteristics of unsaturated Metu campus clay, Postgraduate, Ö.CORA(Student), 2000

ÇOKÇA E., Shear strength and volume change characteristics of compacted-unsaturated METU campus clay., Postgraduate, Ö.Cora(Student), 2000

ÇOKÇA E., A Study on the use of Çatalağzı thermal power plant wastes as fill material in a proposed wet disposal scheme, Postgraduate, D.GÜNBULUT(Student), 2000

ÇOKÇA E., Geotechnical properties of rubber and bentonite added fly ash, Postgraduate, Z.YILMAZ(Student), 2000

ÇOKÇA E., Stabilization of expansive soils with C/F type fly ash and sand., Postgraduate, D.TÜRKER(Student), 2000

ÇOKÇA E., Relationship between the methylene blue test result and swelling percentage, swell pressure and suction of an expansive soil, Postgraduate, F.Karahan(Student), 1999

ÇOKÇA E., Relationship between the methylene blue test result and swelling percentage swell pressure and suction of n expansive, Postgraduate, F.KARAHAN(Student), 1999

ÇOKÇA E., Stabilization of expansive soils using lime, cement and flyash, Postgraduate, T.İPEK(Student), 1998

ÇOKÇA E., Stabilisation of expansive soils using lime cement and fly-ash, Postgraduate, T.İpek(Student), 1998

## **Jury Memberships**

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, December, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Orta Doğu Teknik Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Middle East Technical University, November, 2023

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2023

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, July, 2023

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, July, 2023

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, June, 2023

Associate Professor Exam, Associate Professor Exam, Orta Doğu Teknik Üniversitesi, May, 2023

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, January, 2023

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, January, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2021

Post Graduate, Post Graduate, Hacettepe Üniversitesi, December, 2021

Associate Professor Exam, Associate Professor Exam, Sakarya Uygulamalı Bilimler Üniversitesi, July, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Ankara Yıldırım Beyazıt Üniversitesi, May, 2021

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, February, 2021  
Doctorate, Doctorate, Gazi Üniversitesi, January, 2021  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2020  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, September, 2020  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, August, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2019  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, July, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Hacettepe Üniversitesi, July, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gaziantep Üniversitesi, June, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Gazi Üniversitesi, June, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Hacettepe Üniversitesi, June, 2019  
Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, June, 2019  
Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Orta Doğu Teknik Üniversitesi, March, 2019  
Appointment to Academic Staff-Professorship, Appointment Academic Staff, Karadeniz Teknik Üniversitesi, January, 2019  
Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, January, 2019  
Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, June, 2018  
Post Graduate, Post Graduate, Gazi Üniversitesi, March, 2018

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

- I. **The Investigation of the Addition of Sodium Lignosulfonate to Lime Column Used For Improving the Expansive Soils**  
Özkan I., Çokça E.  
TEKNIK DERGI/TECHNICAL JOURNAL OF TURKISH CHAMBER OF CIVIL ENGINEERS, vol.34, no.1, pp.135-152, 2023 (SCI-Expanded)
- II. **The effect of lime pile parameters on the improvement of the swelling potential of expansive clay**  
Çokça E., Özkan İ.  
ARABIAN JOURNAL OF GEOSCIENCES, pp.1-13, 2022 (SCI-Expanded)
- III. **Evaluation of the Curing Time Effect on the Swelling, Unconfined Strength and Resilient Modulus of an Expansive Soil Improved with Hydrated Lime**  
Unver I. S., Lav M. A., Cokca E., Baykal G.  
TRANSPORTATION RESEARCH RECORD, vol.2676, no.4, pp.76-89, 2022 (SCI-Expanded)
- IV. **Automated inverse analysis of a deep excavation in Ankara clay using finite element analysis**  
Engin T. A., ÇOKÇA E.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.19, 2021 (SCI-Expanded)
- V. **Influence of swell on undrained shear strength of expansive Ankara clay**  
Deliktas C., Çokça E.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, 2020 (SCI-Expanded)
- VI. **A course delivery method by using a software to predict contaminant migration through a soil layer**  
ÇOKÇA E., AKTAŞ T.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.26, no.5, pp.1324-1335, 2018 (SCI-Expanded)
- VII. **Simulation of Contaminant Migration Through a Soil Layer Due to an Instantaneous Source**  
ÇOKÇA E., BİLGE H. T., Unutmaz B.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.19, no.2, pp.385-398, 2011 (SCI-Expanded)
- VIII. **Shear strength-suction relationship of compacted Ankara clay**  
ÇOKÇA E., Tilgen H. P.  
APPLIED CLAY SCIENCE, vol.49, no.4, pp.400-404, 2010 (SCI-Expanded)

- IX. **Effects of compaction moisture content on the shear strength of an unsaturated clay**  
ÇOKÇA E., Erol O., Armangil F.  
Geotechnical and Geological Engineering, vol.22, no.2, pp.285-297, 2004 (SCI-Expanded)
- X. **Use of rubber and bentonite added fly ash as a liner material**  
Cokca E., Ymaz Z.  
Waste Management, vol.24, no.2, pp.153-164, 2004 (SCI-Expanded)
- XI. **Solidification/stabilization of hazardous wastes containing metals and organic contaminants**  
Yilmaz O., ÜNLÜ K., ÇOKÇA E.  
Journal of Environmental Engineering, vol.129, no.4, pp.366-376, 2003 (SCI-Expanded)
- XII. **A computer program for the analysis of 1-D contaminant migration through a soil layer**  
ÇOKÇA E.  
Environmental Modelling and Software, vol.18, no.2, pp.147-153, 2003 (SCI-Expanded)
- XIII. **Use of Class C fly ashes for the stabilization of an expansive soil**  
ÇOKÇA E.  
Journal Of Geotechnical And Geoenvironmental Engineering, vol.127, pp.568-573, 2001 (SCI-Expanded)
- XIV. **Report: Use of a computer program to estimate the thickness of a compacted clay liner in a landfill**  
Cokca E.  
Waste Management and Research, vol.17, no.3, pp.227-230, 1999 (SCI-Expanded)
- XV. **Frost Susceptibility Properties of Soma-B Fly Ash**  
ÇOKÇA E.  
Journal Of Energy Engineering-Asce, vol.123, pp.1-10, 1997 (SCI-Expanded)

### Articles Published in Other Journals

- I. **A new improvement technique for expansive soils**  
Özkan İ., ÇOKÇA E.  
Sigma Journal of Engineering and Natural Sciences, vol.42, no.4, pp.1058-1066, 2024 (ESCI)
- II. **Lateral squeezing effects on cement-slag-bentonite slurry wall performance**  
Talefirouz D., Çokça E.  
Materials and Geoenvironment, vol.68, no.2, pp.57-68, 2023 (Peer-Reviewed Journal)
- III. **Use of waste foundry sand, bentonite, and waste rubber as a landfill cap layer material**  
Akkaya U., Çokça E.  
Innovative Infrastructure Solutions, vol.8, no.5, 2023 (ESCI)
- IV. **Use of Powdered Steel Slag in Cement-Bentonite Slurry Wall Construction**  
Talefirouz D., Çokça E.  
Şırnak Üniversitesi Fen Bilimleri Dergisi, vol.1, pp.1-16, 2022 (Peer-Reviewed Journal)
- V. **Improvement of an Extremely Highly Plastic Expansive Clay with Hydrated Lime and Fly Ash**  
Unver I. S., Lav M. A., Çokça E.  
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.39, pp.4917-4932, 2021 (ESCI)
- VI. **A Study on Tensile Strength of Compacted Fine-Grained Soils**  
Dagar V., Çokça E.  
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.39, no.2, pp.751-764, 2021 (ESCI)
- VII. **Deformation analysis of concrete faced Aydın Karacasu dam and comparison of theoretical results with measurements**  
Tosun Tütüncübaşı T., Özkan Y. M., Yıldız S. G., Çokça E.  
Journal of Structural Engineering Applied Mechanics, vol.1, no.4, pp.174-184, 2019 (Peer-Reviewed Journal)
- VIII. **Effect of Lime on the Compressibility Characteristics of A Highly Plastic Clay**  
Çokça E., Lav A., Süt Ünver İ.  
International Journal of Applied Science and Technology Vol. 8, No. 2, June 2018, vol.8, pp.19-23, 2018 (Peer-Reviewed Journal)

- IX. **Use of granulated blast furnace slag and lime in cement-bentonite slurry wall construction**  
Talefirouz D., ÇOKÇA E., Omer J.  
INTERNATIONAL JOURNAL OF GEOTECHNICAL ENGINEERING, vol.10, no.1, pp.81-85, 2016 (ESCI)
- X. **Stabilization of Expansive Clays Using Granulated Blast Furnace Slag (GBFS) and GBFS-Cement**  
ÇOKÇA E., Yazici V., Ozaydin V.  
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.27, no.4, pp.489-499, 2009 (ESCI)
- XI. **Comparison of two leaching tests to assess the effectiveness of cement-based hazardous waste solidification/stabilization**  
Yilmaz O., ÇOKÇA E., ÜNLÜ K.  
Turkish Journal of Engineering and Environmental Sciences, vol.27, no.3, pp.201-212, 2003 (Scopus)
- XII. **Relationship between methylene blue value, initial soil suction and swell percent of expansive soils**  
ÇOKÇA E.  
Turkish Journal of Engineering and Environmental Sciences, vol.26, no.6, pp.521-529, 2002 (Scopus)
- XIII. **Stabilization of an expansive artificial clay mixture with C/F type fly ash and sand**  
ÇOKÇA E., Turker D.  
Geotechnical Engineering, vol.33, no.2, pp.93-99, 2002 (Scopus)
- XIV. **Effect of fly ash on swell pressure of an expansive soil**  
ÇOKÇA E.  
Electronic Journal of Geotechnical Engineering, vol.4, 1999 (ESCI)
- XV. **Effect of pressure increment ratio ( $\Delta P/P_0 \leq 1.0$ ) on permeability of clay liners**  
ÇOKÇA E.  
International Journal of Environmental Studies, vol.56, no.5, pp.757-767, 1999 (Scopus)
- XVI. **Prediction of swelling potential of Ankara soils by methylene blue test**  
ÇOKÇA E., Birand A.  
Doga, Turkish Journal of Engineering & Environmental Sciences, vol.17, no.1, pp.57-63, 1993 (Scopus)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Stabilization of an expansive clay by using zeolite and lime**  
Çokça E., Demirbaş G.  
V. International Turkic World Congress on Science and Engineering, Bishkek, Kyrgyzstan, 15 - 17 September 2023, pp.1-12
- II. **Modeling the contaminant migration in soils with matlab**  
Çokça E., Baidol Y.  
V. International Turkic World Congress on Science and Engineering , Bishkek, Kyrgyzstan, 15 - 17 September 2023, pp.1-16
- III. **Zeminlerin Yanal Şişme Basınçlarının Granüler Kolonlarla İyileştirilmesi**  
Hergül T., Çokça E., Erol O.  
ZMGM 18, Kayseri, Turkey, 29 September 2022 - 30 November 2023, vol.1, pp.515-524
- IV. **Rockfill embankment settlement analysis of a concrete faced rockfill dam**  
Kardeş D., Çokça E., Özkan M. Y., Yıldız S. G.  
4. International Turkic World Congress on Science and Engineering , Niğde, Turkey, 23 - 24 June 2022, vol.1, pp.416-424
- V. **The Investigation of the Scale Effect on the Swelling Potentials of Expansive Soil Treated with Lignosulphonate Lime Columns**  
Özkan İ., Çokça E.  
IV. International Turkic World Congress on Science and Engineering, Niğde, Turkey, 23 - 24 June 2022, vol.1, pp.378-392
- VI. **SENTETİK POLİPROPİLEN FİBER VE LASTİK TOZU KATILMIŞ KİLLERİN ÇEKME DAYANIMI ÜZERİNE BİR ÇALIŞMA**

Çokça E., Dağar V.

Sekizinci Ulusal Geosentetikler Konferansı, İstanbul, Turkey, 16 - 17 May 2019, vol.1, pp.297-306

- VII. **Sentetik polipropilen fiber ve lastik tozu katılmış killerin çekme dayanımı üzerine bir çalışma**  
ÇOKÇA E.

sekizinci ulusal geosentetikler konferansı, İstanbul, Turkey, 16 - 17 May 2019, vol.1, pp.297-306

- VIII. **DEFORMATION ANALYSIS OF CONCRETE FACED AYDIN KARACASU DAM AND COMPARISON OF THEORETICAL RESULTS WITH MEASUREMENTS**

Çokça E., Tütüncübaşı Tosun T., Özkan M. Y., Yıldız S. G.

5th International Symposium on Dam Safety, İstanbul, Turkey, 27 October - 01 November 2018, vol.2, pp.811-821

- IX. **SİLT VE GRANÜLER KOLONLARIN ZEMİNLERİN ŞİŞME POTANSİYELİ ÜZERİNDEKİ ETKİSİNİN İNCELENMESİ**

Çokça E., Hergül T., Erol O.

zemin mekaniği ve geoteknik mühendisliği 17. ulusal kongresi, İstanbul, Turkey, 26 - 28 September 2018, vol.3, pp.951-960

- X. **SÜLFATIN C SINIFI UÇUCU KÜL İLE STABİLİZE EDİLEN ŞİŞEN KİLLER ÜZERİNDEKİ ETKİSİ**

Çokça E., As M.

zemin mekaniği ve geoteknik mühendisliği 17. ulusal kongresi, İstanbul, Turkey, 26 - 28 September 2018, vol.3, pp.917-927

- XI. **ANKARA KİLİNDE 18.5m DERİNLİĞİNDEKİ BİR KAZININ GERİ ANALİZİ: ÖRNEK OLAY İNCELEMESİ**

Çokça E., Aktaş T., Çalışan O.

zemin mekaniği ve geoteknik mühendisliği 17. ulusal konferansı, İstanbul, Turkey, 26 - 28 September 2018, vol.2, pp.767-778

- XII. **Improvement of Expansive Soils by Using Phosphogypsum**

Çokça E., Özkan İ.

13th International Congress on Advances in Civil Engineering, İzmir, Turkey, 12 - 14 September 2018, vol.1, pp.152-157

- XIII. **Methylene Blue Adsorption and Swelling Characteristics of a Lime-Treated Expansive Clay**

Çokça E., Süt Ünver İ., Lav M. A.

13 th International congress on advances in civil engineering, İzmir, Turkey, 12 - 14 September 2018, vol.1, pp.162-167

- XIV. **Finite Element Analysis of a Deep Excavation: A Case Study**

Çokça E., Aktaş T., Çalışan O.

China European Conference on Geotechnical Engineering, Vienna, Austria, 13 - 16 August 2018, vol.2, no.7, pp.885-888

- XV. **Finite element analysis of deep excavation: A case study**

Aktas T., Calisan O., ÇOKÇA E.

China-Europe Conference on Geotechnical Engineering, 2016, Vienna, Austria, 13 - 16 August 2016, pp.885-888

- XVI. **Effect of fly ash on swell behaviour of a very highly plastic clay**

Süt-Ünver İ., Lav M. A., ÇOKÇA E.

China-Europe Conference on Geotechnical Engineering, 2016, Vienna, Austria, 13 - 16 August 2016, pp.838-841

- XVII. **Döküm kumlarının katı atık depolama sahası örtü tabakası olarak kullanılması**

ÇOKÇA E., Akkaya U.

G7 yedinci ulusal geosentetikler konferansı, İstanbul, Turkey, 11 - 12 May 2017, vol.1, pp.121-128

- XVIII. **Farklı şişme potansiyeline sahip zeminlerin granüler kolonlarla iyileştirilmesi**

HERGÜL T., ÇOKÇA E., EROL O.

ZMTM 16 ulusal kongresi, Erzurum, Turkey, 13 - 14 October 2016, vol.1, pp.889-898

- XIX. **İMPROVEMENT OF AN EXPANSİVE SOİL WITH HYDRATED LİME**

ÇOKÇA E., LAV M. A., ÜNVER İ.

12th international congress on advances in civil engineering, İstanbul, Turkey, 21 - 25 September 2016, vol.1, pp.1-8

- XX. **Geotechnical engineering education in METU and computer aided learning resources**

Cokca E.

1st International Conference on Education and Training in Geo-Engineering Science - Soil Mechanics, Geotechnical Engineering, Engineering Geology and Rock Mechanics, Constanta, Romania, 2 - 04 June 2008, pp.369-374

**XXI. The civil engineering education at the middle east technical university**

ÇOKÇA E.

SEFI 2005 Annual Conference: Engineering Education at the Cross-Roads of Civilizations, Ankara, Turkey, 7 - 10 September 2005, pp.176-183

**XXII. Suction-swelling relations**

ÇOKÇA E., Birand A.

Sessions of Geo-Denver 2000 - Advances in Unsaturated Geotechnics, GSP 99, Denver, CO, United States Of America, 5 - 08 August 2000, vol.287, pp.379-392

**XXIII. Suction-swelling relations**

ÇOKÇA E., Birand A.

The GeoDenver 2000 - Unsaturated Soils Sessions 'Advances in Ultrasound Geotechnical', Denver, CO, USA, 05 August 2000, pp.379-392

## Supported Projects

ÇOKÇA E., Project Supported by Higher Education Institutions, SÜLFATIN KİREÇ İLE STABİLİZE EDİLEN ŞİŞEN ZEMİNLERE ETKİSİNİN DEĞERLENDİRİLMESİ, 2017 - 2017

ÇOKÇA E., Project Supported by Higher Education Institutions, Strut Destekli Diyafram Duvarların, 2 ve 3 Boyutlu Sonlu Elemanlar Metodu ile Analizleri ve Sonuçların Sahada Yapılan Ölçümlerle Karşılaştırılması, 2014 - 2014

ÇOKÇA E., Project Supported by Higher Education Institutions, Kompozit Sistemler İle Temellerin Sismik İzolasyonu, 2011 - 2011

## Scientific Refereeing

INTERNATIONAL JOURNAL OF GEOTECHNICAL ENGINEERING, National Scientific Refreed Journal, December 2023

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in ESCI, November 2023

Project Supported by Other Official Institutions, Yildiz Technical University, Turkey, October 2023

Project Supported by Higher Education Institutions, BAP PhD, Middle East Technical University, Turkey, October 2023

Project Supported by Higher Education Institutions, BAP Guided, Inonu University, Turkey, October 2023

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, March 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Dokuz Eylul University, Turkey, January 2023

TUBITAK Project, 1002 - Quick Support Program, Yeditepe University, Turkey, November 2021

TUBITAK Project, 1002 - Quick Support Program, tübitak, Turkey, November 2021

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, September 2021

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, National Scientific Refreed Journal, September 2021

KOSGEB, odtü teknopark, Turkey, September 2021

Project Supported by Higher Education Institutions, BAP PhD, Middle East Technical University, Turkey, August 2021  
Technopark, odtü teknokent, Turkey, August 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, National Scientific Refreed Journal, July 2021

CLAYS AND CLAY MINERALS, Other journals, July 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, May 2021

Acta Technica Jaurinensis, Other journals, March 2021

Project Supported by Higher Education Institutions, BAP Research Project, Eskisehir Osmangazi University, Turkey, March 2021

Project Supported by Higher Education Institutions, BAP Research Project, Yildiz Technical University, Turkey, March 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tübitak, Turkey, February 2021

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, December 2020

TEKNIK DERGI, National Scientific Refreed Journal, October 2020

Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, National Scientific Refreed Journal, October 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TÜBİTAK, Turkey, September 2020

Project Supported by Higher Education Institutions, BAP Research Project, İstanbul University-Cerrahpaşa, Turkey, August 2020

TEKNIK DERGI, National Scientific Refreed Journal, March 2020

Project Supported by Other Official Institutions, Bursa Technical University, Turkey, March 2020

Association (NGO), MÜDEK, Turkey, March 2020

Geomatics and Engineering, Other Indexed Journal, February 2020

ENVIRONMENTAL GEOTECHNICS-JOURNAL, National Scientific Refreed Journal, January 2020

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, Journal Indexed in SCI-E, January 2020

CLAYS AND CLAY MINERALS, Journal Indexed in SCI-E, January 2020

Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, January 2020

Project Supported by Higher Education Institutions, BAP MSc, Ataturk University, Turkey, January 2020

Computer Applications In Engineering Education, Journal Indexed in SCI-E, December 2019

GEOTECHNICAL AND GEOLOGICAL ENGINEERING, Journal Indexed in SCI-E, December 2019

ENVIRONMENTAL GEOTECHNICS-JOURNAL, Journal Indexed in SCI-E, November 2019

GEOMECHANICS AND ENGINEERING, Journal Indexed in SCI-E, October 2019

Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, Other Journals, September 2019

GEOTECHNICAL AND GEOLOGICAL ENGINEERING, Journal Indexed in SCI-E, August 2019

GAZİ ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, July 2019

SOILS AND FOUNDATIONS, Journal Indexed in SCI-E, July 2019

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2019

Geotechnical and Geological Engineering, Other Indexed Journal, December 2018

GAZİ ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, October 2018

JEOLOJİ MÜHENDİSLİĞİ DERGİSİ, National Scientific Refreed Journal, October 2018

ASTM International Journal of Testing and Evaluation, Other Indexed Journal, September 2018

EARTH SCIENCES RESEARCH JOURNAL, Journal Indexed in SCI-E, August 2018

Geotechnical and Geological Engineering, Other Indexed Journal, August 2018

JOURNAL OF TRANSPORTATION ENGINEERING-ASCE, Journal Indexed in SCI-E, July 2018

ENVIRONMENTAL EARTH SCIENCES, Journal Indexed in SCI-E, May 2018

GAZI UNIVERSITY JOURNAL OF SCIENCE, Journal Indexed in SCI-E, April 2018

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, April 2018

MARINE GEORESOURCES & GEOTECHNOLOGY, Journal Indexed in SCI-E, April 2018

JOURNAL OF MATERIALS IN CIVIL ENGINEERING-ASCE, Journal Indexed in SCI-E, March 2018

Earth Science Research Journal [ESRJ] , Other Indexed Journal, February 2018

## **Scientific Consultations**

ASCE AŞ, Scientific Consultancy, Middle East Technical University, Faculty of Engineering, Department of Civil Engineering, Turkey, 2020 - 2020

## **Metrics**

Publication: 55

Citation (WoS): 544

Citation (Scopus): 911

H-Index (WoS): 7

H-Index (Scopus): 11

## **Non Academic Experience**

ODTÜ

Çalışan geoteknik hizmetler

YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

TÜBİTAK