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International Researcher IDs

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Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2017 - Continues

Postgraduate, Gaziantep University, Faculty Of Engineering, Geoteknik, Turkey 2013 - 2017

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, FINITE ELEMENT ANALYSIS OF SOIL SETTLEMENTS IN KAYSERİ ORGANIZED INDUSTRIAL ZONE, Gaziantep Üniversitesi, İnşaat Mühendisliği, Geoteknik, 2017

Research Areas

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

Academic Titles / Tasks

Research Assistant, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Experimental Investigation of Soil Disturbance Effect on Bearing Capacity of Organic Soil**
Çadır C. C., KAYA Z., YALÇIN H., EROL A., UNCUOĞLU E., AKIN M.
International Journal of Civil Engineering, vol.22, no.2, pp.225-240, 2024 (SCI-Expanded)
- II. **Improvement of an Undisturbed Peat Soil with Jet Grout Columns: Physical and Numerical Modeling**
Yalçın H., Kaya Z., Çadır C. C., Uncuoğlu E., Erol A., Akın M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.48, no.7, pp.1-20, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis of Piled Concrete Foundation for an Offshore Structure**
Yalçın H., Erol A., Akpınar Erol G.
4th Global Conference on Engineering Research (GLOBECER'24), Balıkesir, Turkey, 16 - 19 October 2024, pp.240
- II. **Optimizing Load-Bearing Capacity of Sand: The Role of Stiffness Modulus Ratio**
Erol A., Yalçın H., Akpınar Erol G.
4th Global Conference on Engineering Research (GLOBECER'24), Balıkesir, Turkey, 16 - 19 October 2024, pp.239
- III. **Analysis Of Accelerating The Consolidation Of Clay Soil Under The Embankment With Wick Drains**
Yalçın H., Akpınar Erol G.
4. INTERNATIONAL TRAKYA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, Edirne, Turkey, 20 - 21 July 2024, pp.212-213
- IV. **ANALYSIS OF THE SECONDARY COMPRESSION BEHAVIOR OF PEAT SOILS AROUND KAYSERİ**
Yalçın H.
1. INTERNATIONAL ÜSKÜDAR SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 19 - 20 July 2024, pp.736-737
- V. **INVESTIGATION OF ORGANIC SOIL REINFORCED WITH SINGLE STONE COLUMNS BY MODEL EXPERIMENTS**
Çadır C. C., Kaya Z., Yalçın H., Erol A., Uncuoğlu E., Akın M.
9th INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SCIENTIFIC RESEARCH CONFERENCE, Ankara, Turkey, 10 - 11 August 2023, pp.184-194
- VI. **IMPROVEMENT OF ORGANIC SOIL USING JET GROUT COLUMNS**
Yalçın H., Kaya Z., Çadır C. C., Erol A., Uncuoğlu E., Akın M.
9th INTERNATIONAL BLACK SEA COASTLINE COUNTRIES SCIENTIFIC RESEARCH CONFERENCE, Ankara, Turkey, 10 - 11 August 2023, pp.176-183
- VII. **Determination of Geotechnical Properties of Kayseri Free Zone Organic Soils**
Yalçın H., Çadır C. C., Kaya Z., Erol A., Uncuoğlu E., Akın M.
The 3rd International Symposium of Engineering Applications on Civil Engineering and Earth Sciences 2021 (IEACES2021), Karabük, Turkey, 22 - 24 September 2021, pp.92-102
- VIII. **SETTLEMENT ANALYSIS OF FLEXIBLE AND RIGID FOUNDATIONS ON SOFT SOIL**
Yalçın H., Çadır C. C.
ISPEC 10. ULUSLARARASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ , Siirt, Turkey, 16 - 18 May 2021, pp.149-154
- IX. **INVESTIGATION OF THE STABILITY OF EMBANKMENT SLOPE REINFORCED WITH DEEP MIXING COLUMNS UNDER EARTHQUAKE FORCE**
Çadır C. C., Yalçın H.
10th INTERNATIONAL CONFERENCE ON ENGINEERING & NATURAL SCIENCES, Siirt, Turkey, 16 - 18 May 2021, pp.135-148
- X. **ŞEV STABILİTESİNDE KULLANILAN ANKRAJLARIN SLIDE PROGRAMI İLE ANALİZİ**
Yalçın H., Çadır C. C., Kaya Z.
2. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 27 - 29 September 2019, pp.672-677
- XI. **TAŞ KOLONLAR İLE İYİLEŞTİRİLEN TABAKALI ZEMİNLERDE KOLON ÇAPI VE ARALIĞININ TAŞIMA GÜCÜNE ETKİSİ**
Çadır C. C., Yalçın H., Kaya Z.
2. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 27 - 29 September 2019, pp.765-771
- XII. **Evaluation of the performance of geotextiles using Finite Element Analysis in the settlement results: A case study in Kayseri, Turkey**
Yalçın H., Çabalar A. F., Akın M.
11th International Conference on Geosynthetics (11ICG), Seoul, South Korea, 16 - 21 September 2018, pp.1-7
- XIII. **Dolgu Altında Geosentetiklerle Güçlendirilmiş Taş Kolonlar ile İyileştirilen Yumuşak Kil**

Zeminlerin Sayısal Analizi

ÇADIR C. C., YALÇIN H., UNCUOĞLU E., KAYA Z., EROL A.

II. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.366

XIV. Malzeme Yumuşaması Tekniği Kullanılarak 3 Boyutlu Tünel Analizi

YALÇIN H., ÇADIR C. C., KAYA Z., UNCUOĞLU E., EROL A.

II. Uluslararası Multidisipliner Çalışmaları Kongresi, Adana, Turkey, 4 - 05 May 2018, pp.398

XV. Numerical Analysis of Soft Clays Improved with Stone Column under Fill

ÇADIR C. C., YALÇIN H., KAYA Z., UNCUOĞLU E.

3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.401

XVI. Pile Resistance Analysis for Slope Stabilization using RSPile

YALÇIN H., ÇADIR C. C., KAYA Z., UNCUOĞLU E.

3. International Conference on Civil and Environmental Engineering, İzmir, Turkey, 24 - 27 April 2018, pp.402

XVII. The Analysis of Anchored Sheet Pile Wall Deformations Using RS2

Yalçın H., Kaya Z.

International Mediterranean Science and Engineering Congress (IMSEC 2017 Congress), Adana, Turkey, 25 - 27 October 2017, pp.1077

XVIII. The FEM Based Analyses of Soft Soils Improved Using Geogrid Encased Stone Columns

ÇADIR C. C., YALÇIN H., EROL A., KAYA Z.

2nd International Conference on Civil and Environmental Engineering, NEVŞEHİR, TÜRKİYE, 8-10 Mayıs 2017, Nevşehir, Turkey, 8 June - 10 May 2017, pp.1505-1506

XIX. A case study of retaining piles in limestone using Plaxis 2D

YALÇIN H., ÇABALAR A. F.

4. ICNDSMGE - ZM 2016 FOURTH INTERNATIONAL CONFERENCE on NEW DEVELOPMENTS IN SOIL MECHANICS AND GEOTECHNICAL ENGINEERING, Lefkoşa, Cyprus (Kktc), 2 - 04 June 2016, pp.669-677

Metrics

Publication: 21

Congress and Symposium Activities

11th International Conference on Geosynthetics (11ICG), Attendee, Seoul, South Korea, 2018

II. Uluslararası Multidisipliner Çalışmaları Kongresi, Attendee, Adana, Turkey, 2018

3rd International Conference on Civil and Environmental Engineering (ICOCEE), Attendee, İzmir, Turkey, 2018

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Attendee, Adana, Turkey, 2017

ICOCEE- INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Attendee, Nevşehir, Turkey, 2017

4.ICNDSMGE-ZM 2016 FOURTH INTERNATIONAL CONFERENCE ON NEW DEVELOPMENTS IN SOIL MECHANICS AND GEOTECHNICAL ENGINEERING, Attendee, Lefkoşa, Cyprus (Kktc), 2016