

Asst. Prof. MUSTAFA TOLUN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-6617-2019

Yoksis Researcher ID: 41235

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2017 - 2022

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, Turkey 2014 - 2016

Undergraduate, Mustafa Kemal Üniversitesi, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2006 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yüzey Pürüzlülüğünün Kum Zemine Gömülü Kazıkların Çekme Kapasitesine Etkisi, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2022

Postgraduate, Dinamik Yük Etkisindeki Kazıkların Davranışının İncelenmesi, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2016

Research Areas

Civil Engineering, Geotechnical, Foundation Engineering, Soil Dynamics

Academic Titles / Tasks

Research Assistant, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering, Department Of Civil Engineering, 2018 - Continues

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 2014 - 2018

Research Assistant, Adana Alparslan Türkeş Science And Technology University, Faculty Of Engineering, Department Of Civil Engineering, 2012 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

1. **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)

- II. **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)
- III. **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)
- IV. **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)
- V. **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)
- VI. **Experimental investigation of the uplift capacity of group anchor plates embedded in sand**
Emirler B., Tolun M., Laman M.
GEOMECHANICS AND ENGINEERING, vol.11, pp.691-711, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **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)
- II. **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)
- III. **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)
- IV. **Investigation of the Uplift Capacity of Group Anchor Plates in Geogrid Reinforced Sand**
EMİRLER B., TOLUN M., LAMAN M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.31, no.2, pp.257-267, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Numerical Investigation of the Uplift Resistance of Plate Strip Anchor in Sand**
TOLUN M., EMİRLER B., LAMAN M.
12th International Congress on Advances in Civil Engineering, 21 - 23 September 2016
- II. **Numerical investigation of the uplift capacity of inclined anchor plates in sand**
Emirler B., Tolun M., Laman M.
4th International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, Lefkoşa, Cyprus (Kkct), 2 - 04 June 2016
- III. **Eksenel Yüklü Tekil Kazığın Farklı Yöntemlerle Sayısal Analizi**
Tolun M., Laman M.
6th Geotechnical Symposium, Adana, Turkey, 26 - 27 November 2015

Memberships / Tasks in Scientific Organizations

Union of Chambers of Turkish Engineers and Architects - Chamber of Civil Engineers, Member, 2018 - Continues, Turkey

Scientific Refereeing

GEOMECHANICS AND ENGINEERING, SCI Journal, March 2024

Multiscale and Multidisciplinary Modeling, Experiments and Design, Journal Indexed in ESCI, December 2023

JOURNAL OF ADVANCED TRANSPORTATION, SCI Journal, March 2023

MARINE GEORESOURCES AND GEOTECHNOLOGY, SCI Journal, December 2022

MARINE GEORESOURCES AND GEOTECHNOLOGY, SCI Journal, November 2021

POLYMER COMPOSITES, SCI Journal, September 2021

GEOMECHANICS AND ENGINEERING, SCI Journal, April 2021

JOURNAL OF OCEAN ENGINEERING AND SCIENCE, SCI Journal, March 2020

MARINE GEORESOURCES AND GEOTECHNOLOGY, SCI Journal, April 2019

Metrics

Publication: 13

Citation (WoS): 39

Citation (Scopus): 53

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

Fourth International Conference on New Developments in Soil Mechanics and Geotechnical Engineering, 4. ICNDSMGE - ZM 2016, Attendee, Lefkoşa, Cyprus (Kktc), 2016

3. Türkiye Plaxis Kullanıcıları Toplantısı, Attendee, İstanbul, Turkey, 2015

6. Geoteknik Sempozyumu, Attendee, Adana, Turkey, 2015

2. Türkiye Plaxis Kullanıcıları Toplantısı, Attendee, İstanbul, Turkey, 2014

5. Geoteknik Sempozyumu, Attendee, Adana, Turkey, 2013