

Asst. Prof. Aslı Yalçın Dayıođlu

Personal Information

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Education Information

Doctorate, University Of Maryland, College Park, A. James Clark School Of Engineering, Department Of Civil And Environmental Engineering, United States Of America 2012 - 2016

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Zemin Mekaniđi Ve Geoteknik Mühendisliđi (YI), Turkey 2007 - 2010

Foreign Languages

English

German, C1 Advanced

Dissertations

Doctorate, GEOTECHNICAL AND ENVIRONMENTAL IMPACTS OF STEEL SLAG IN EMBANKMENTS, University Of Maryland, College Park, A. James Clark School Of Engineering, Department Of Civil And Environmental Engineering, 2016
Postgraduate, KAZIKLI RADYEJENERAL TEMELLERİN DÜŞEY VE YATAY YÜKLER ALTINDA DAVRANIŞININ SONLU ELEMENLAR YÖNTEMİ İLE İNCELENMESİ, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliđi, 2010

Research Areas

Technical Sciences, Civil Engineering, Geotechnical, Foundation Engineering, Soil Mechanics, Ground Improvement

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliđi, 2019 - Continues

Research Assistant, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, İnşaat Mühendisliđi Bölümü, 2009 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Batch leaching testing of stabilized dredged bottom-sea sediments**
Singh A., Houlihan M., Yalçın Dayıođlu A., Aydilek A. H.
JOURNAL OF SOILS AND SEDIMENTS, vol.20, no.10, pp.3793-3806, 2020 (Journal Indexed in SCI)
- II. **Trace metal leaching from quarry by-product-stabilized marine sediments**
Singh A., Houlihan M., Yalçın Dayıođlu A., Aydilek A. H.
MARINE GEORESOURCES & GEOTECHNOLOGY, 2020 (Journal Indexed in SCI)
- III. **Geoenvironmental behavior of lime-treated marine sediments**
Deshmukh A. S. , Yalçın Dayıođlu A., Aydilek A. H.

MARINE GEORESOURCES & GEOTECHNOLOGY, 2020 (Journal Indexed in SCI)

- IV. **Hydraulic and environmental impacts of using recycled asphalt pavement on highway shoulders**
Mijic Z., Yalçın Dayıođlu A., Hatipođlu M., Aydilek A. H.
CONSTRUCTION AND BUILDING MATERIALS, vol.234, 2020 (Journal Indexed in SCI)
- V. **Effect of cement incorporation on the leaching characteristics of elements from fly ash and slag treated soils**
Mahedi M., Cetin B., Yalçın Dayıođlu A.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.253, 2020 (Journal Indexed in SCI)
- VI. **Evaluation of recycled concrete aggregate backfill for geosynthetic-reinforced MSE walls**
Soleimanbeigi A., Tanyu B. E. , Aydilek A. H. , Florio P., Abbaspour A., Dayioglu A., Likos W. J.
GEOSYNTHETICS INTERNATIONAL, vol.26, no.4, pp.396-412, 2019 (Journal Indexed in SCI)
- VII. **Effect of pH and Subgrade Type on Trace-Metal Leaching from Steel-Slag Embankments into Groundwater**
Yalçın Dayıođlu A., Aydilek A. H.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.31, no.8, 2019 (Journal Indexed in SCI)
- VIII. **Leaching behavior of aluminum, copper, iron and zinc from cement activated fly ash and slag stabilized soils**
Mahedi M., Cetin B., Dayioglu A.
WASTE MANAGEMENT, vol.95, pp.334-355, 2019 (Journal Indexed in SCI)
- IX. **Trace Metal Leaching from Steel Slag Used in Structural Fills**
Yalçın Dayıođlu A., Aydilek A. H. , ÇİMEN Ö., ÇİMEN M.
JOURNAL OF GEOTECHNICAL AND GEOENVIRONMENTAL ENGINEERING, vol.144, no.12, 2018 (Journal Indexed in SCI)
- X. **Methodology to evaluate hydraulic compatibility of geotextile and RCA in underdrain systems**
Abbaspour A., Tanyu B. E. , Aydilek A. H. , Dayioglu A.
GEOSYNTHETICS INTERNATIONAL, vol.25, no.1, pp.67-84, 2018 (Journal Indexed in SCI)
- XI. **Preventing Swelling and Decreasing Alkalinity of Steel Slags Used in Highway Infrastructures**
Dayioglu A., AYDILEK A. H. , CETIN B.
TRANSPORTATION RESEARCH RECORD, no.2401, pp.52-57, 2014 (Journal Indexed in SCI)

Citations

Total Citations (WOS):36

h-index (WOS):4

Scholarships

Dean's Fellowship, University, 2012 - Continues

Awards

Yalçın Dayıođlu A., Outstanding Graduate Student Award, University of Maryland Graduate School, May 2015

Yalçın Dayıođlu A., Doctoral Fellowship, Geosynthetics Institute, August 2014

Yalçın Dayıođlu A., Distinguished Teaching Assistant Award, University of Maryland Center of Teaching Excellence, June 2014