

Res. Asst. BURCU AYTEKİN TÜRKOĞLU

Personal Information

Office Phone: [+90 224 294 2615](tel:+902242942615)

Email: burcuaytekin@uludag.edu.tr

Web: <https://avesis.uludag.edu.tr/burcuaytekin>

International Researcher IDs

ORCID: 0000-0002-4059-8559

Publons / Web Of Science ResearcherID: AAH-4248-2021

Yoksis Researcher ID: 307603

Education Information

Postgraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, Turkey 2019 - 2021

Postgraduate, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, Turkey 2017 - 2019

Undergraduate, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, İnşaat Müh.Bölümü, Turkey 2014 - 2017

Undergraduate, Mugla Sitki Kocman University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2012 - 2014

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **State-of-art review of bacteria-based self-healing concrete: Biomineralization process, crack healing, and mechanical properties**
Aytekin B., MARDANI A., Yazici S.
CONSTRUCTION AND BUILDING MATERIALS, vol.378, 2023 (SCI-Expanded)
- II. **Sustainable Materials: A Review of Recycled Concrete Aggregate Utilization as Pavement Material**
Aytekin B., Mardani Aghabaglou A.
TRANSPORTATION RESEARCH RECORD, vol.2676, no.3, pp.468-491, 2022 (SCI-Expanded)
- III. **Effect of mineral additives and permeability reducing admixtures having different action mechanisms on mechanical and durability performance of cementitious systems**
Nematzadeh A., AYTEKİN B., MARDANI AGHABAGLOU A.
FRONTIERS OF STRUCTURAL AND CIVIL ENGINEERING, vol.15, no.5, pp.1277-1291, 2021 (SCI-Expanded)
- IV. **Sustainable Materials: A Review of Recycled Concrete Aggregate Utilization as a Pavement Materials**
Aytekin B., Mardani Aghabaglou A.
Transportation Research Record, vol.1, pp.1-13, 2021 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of pozzolanic activity of recycled concrete powder: Effect of cement fineness, grain distribution and strength class**
Kaya Y., Aytekin B., İsafça Kaya T., Mardani A.
Second International Conference on Construction Materials and Structures (ICCMS-2022), Raurkela, India, 13 - 20 December 2022, pp.1-6
- II. **Farklı Tür Atık Toz Malzeme Kullanımının Çimentolu Sistemlerin Priz Süresi ve Akış Özelliklerine Etkisi**
Biricik Ö., Aytekin B., Mardani A.
14th International Scientific Research Congress (UBAK), Ankara, Turkey, 20 August 2022, pp.289-297
- III. **Effect of Limestone Powder Fineness and Substitution Ratio on The Rheological Properties of Cementitious Systems**
Aytekin B., Biricik Ö., Mardani A.
VI-International European Conference on Interdisipliner Scientific Research, Bucuresti, Romania, 26 August 2022, pp.222-235
- IV. **Utilization of Waste Powder In Cementitious Systems**
Biricik Ö., Aytekin B., Mardani A.
8 th International Black Sea Coastline Countries Scientific Research Conference, Sofija, Bulgaria, 29 August 2022, pp.545-565
- V. **Effect of Cement Fineness and Grain Size Distribution on Admixture Requirements and Compressive Strength of Mortar Mixture**
AYTEKİN B., İsafça Kaya T., kaya y., MARDANI A.
VI-International European Conference on Interdisciplinary Scientific Research, Romania, 26 August 2022
- VI. **Farklı Tür Atık Toz Malzeme Kullanımının Çimentolu Sistemlerin Priz Süresi ve Akış Özelliklerine Etkisi**
Biricik Ö., Aytekin B., Mardani A.
The 14th International Scientific Research Congress, Ankara, Turkey, 20 - 21 August 2022, pp.284-295
- VII. **Bacteria-Based Self-Healing in Cementitious Systems; Literature Review**
MARDANI AGHABAGLOU A., AYTEKİN B., BİRİCİK Ö., Şahin H. G.
5th International Congress of Academic Research (ICAR 2021), Elazığ, Turkey, 19 April 2021

Metrics

Publication: 11

Citation (WoS): 32

Citation (Scopus): 40

H-Index (WoS): 3

H-Index (Scopus): 3