

Res. Asst. MERT ATAKAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHD-5108-2022

ScopusID: 57219294022

Yoksis Researcher ID: 282214

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (Dr), Turkey 2020 - Continues

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), Turkey 2018 - 2019

Undergraduate, Suleyman Demirel University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2012 - 2016

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Personal Evolution, Türk İşaret Dili Eğitimi, Gazi Üniversitesi, 2021

Foreign Language, Academic Writing Course , Gazi University Academic Writing Center, 2019

Dissertations

Postgraduate, UÇUCU KÜL İÇEREN ASFALT BETONUNUN KENDİNİ İYİLEŞTİRME PERFORMANSININ DEĞERLENDİRİLMESİ, Gazi University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği (YI) (Tezli), 2019

Research Areas

Highways, Road Materials

Academic Titles / Tasks

Research Assistant, Gazi University, Teknoloji Fakültesi, İnşaat Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effect of number and surface area of the aggregates on machine learning prediction performance of recycled hot-mix asphalt**
Atakan M., Valentin J., Yildiz K.
CONSTRUCTION AND BUILDING MATERIALS, vol.445, 2024 (SCI-Expanded)
- II. **Effect of aggregate damage on self-healing characteristics of asphalt concrete: An image processing-based method**
Atakan M., Yildiz K.
CONSTRUCTION AND BUILDING MATERIALS, vol.425, pp.1-14, 2024 (SCI-Expanded)
- III. **Prediction of Marshall design parameters of asphalt mixtures via machine learning algorithms based on literature data**
Atakan M., Yildiz K.
ROAD MATERIALS AND PAVEMENT DESIGN, vol.25, no.3, pp.454-473, 2024 (SCI-Expanded)
- IV. **Improving microwave healing characteristic of asphalt concrete by using fly ash as a filler**
Yildiz K., Atakan M.
CONSTRUCTION AND BUILDING MATERIALS, vol.262, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Self-healing potential of porous asphalt concrete containing different aggregates and metal wastes through microwave heating**
Atakan M., Yildiz K.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGISI, vol.25, no.2, pp.623-631, 2022 (ESCI)
- II. **Modification of Asphalt Binder with Waste Expanded Polystyrene (EPS) Foam**
Yildiz K., Kınacı H., Atakan M.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.17, no.3, pp.245-252, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A Comparative Life Cycle Assessment of Asphalt and Rigid Pavements**
Atakan M., Gültekin A. B., Yildiz K.
6th international Project and Construction Management Conference (IPCMC2020), İstanbul, Turkey, 12 - 14 November 2020, pp.1172-1183
- II. **Improving Microwave Heating Characteristic of Asphalt Binder by Using Fly Ash**
Atakan M., Yildiz K.
4. International Sustainable Buildings Symposium, Texas, United States Of America, 19 - 21 July 2019, pp.285-293

Supported Projects

YILDIZ K., ATAKAN M., Project Supported by Higher Education Institutions, Asphalt Karışımları İçin Sanal Tasarım Yöntemi Geliştirilmesi, 2022 - Continues

YILDIZ K., ATAKAN M., Project Supported by Higher Education Institutions, Kendi kendine iyileşen asfalt betonunda agrega hasar düzeyinin iyileşmeye etkisinin incelenmesi, 2022 - 2023

ATAKAN M., YILDIZ K., Project Supported by Higher Education Institutions, Kendini İyileştirebilen Asfalt Kaplama Tasarımı, 2019 - 2020

Metrics

Publication: 8

Citation (WoS): 19

Citation (Scopus): 19

H-Index (WoS): 2

H-Index (Scopus): 1

Awards

Atakan M., Makale Ödülü (M. Atakan), Gazi Üniversitesi, July 2021

Yıldız K., Atakan M., Uluslararası Bilimsel Yayın Teşvik Programı, Tubitak, January 2021

Non Academic Experience

Yeşil Ay Yapı Denetim