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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAM-1366-2021

ScopusID: 57217418656

Yoksis Researcher ID: 280880

Education Information

Doctorate, Ege University, Turkey 2020 - 2023

Postgraduate, Adana Alparslan Türkeş Science And Technology University, Turkey 2018 - 2020

Undergraduate, Kocaeli University, Turkey 2009 - 2015

Dissertations

Doctorate, Geopolimer katkılı bitüm ve bitümlü sıcak karışımların performans özelliklerinin Yaşam Döngüsü Değerlendirmesi destekli analizi, Ege University, 2023

Postgraduate, Kent içi yol segmentlerinde yaya-araç kazalarına etki eden faktörlerin coğrafi bilgi sistemleri tabanlı analizi: Adana örneği, Adana Alparslan Türkeş Science And Technology University, 2020

Research Areas

Civil Engineering, Transportation Engineering

Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2024 - Continues

Research Assistant, Adana Alparslan Türkeş Science And Technology University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - 2024

Research Assistant, Ege University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2020 - 2023

Courses

Undergraduate

Highway Engineering, Undergraduate, 2024 - 2025

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of using biochar materials obtained from cherry and sour cherry wastes on bitumen modification**
Yegane M., Katanalp B. Y., Ahmedzade P.
CONSTRUCTION AND BUILDING MATERIALS, vol.470, no.140609, pp.1-15, 2025 (SCI-Expanded)
- II. **Recycling the electric arc furnace waste after geopolymerization in bitumen: experimental analyses and LCA study**
Katanalp B. Y., Tastan M., Ahmedzade P.
MATERIALS AND STRUCTURES/MATERIAUX ET CONSTRUCTIONS, vol.57, no.5, pp.103-127, 2024 (SCI-Expanded)
- III. **Rheological Evaluation and Life Cycle Cost Analysis of the Geopolymer Produced from Waste Ferrochrome Electric Arc Furnace Fume as a Composite Component in Bitumen Modification**
Katanalp B. Y., Ahmedzade P.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.35, no.11, pp.4023401, 2023 (SCI-Expanded)
- IV. **A posterior hybrid ML optimization to analyze the relationship between high temperature rheological factors of the Superpave PG and improved PG + asphalt specifications**
Günay T., Katanalp B. Y., Taştan M., Ahmedzade P.
CONSTRUCTION AND BUILDING MATERIALS, no.401, pp.1-12, 2023 (SCI-Expanded)
- V. **An integrated solution to identify pedestrian-vehicle accident prone locations: GIS-based multicriteria decision approach**
Yigit Katanalp B. Y., Eren E., Alver Y.
JOURNAL OF TRANSPORTATION SAFETY AND SECURITY, vol.15, no.2, pp.137-176, 2023 (SSCI)
- VI. **Exploring the effect of basalt fibers on maximum deviator stress and failure deformation of silty soils using ANN, SVM and FL supported by experimental data**
Ndepete C. P., Sert S., Beycioglu A., Katanalp B. Y., Eren E., Bağrıaçık B., Topolinski S.
ADVANCES IN ENGINEERING SOFTWARE, vol.172, 2022 (SCI-Expanded)
- VII. **Evaluating the Pedestrian Gap Acceptance in Semicontrolled Midblock Crosswalks with an Integrated AHP-FL Approach**
Alver Y., Katanalp B. Y.
JOURNAL OF TRANSPORTATION SAFETY AND SECURITY, vol.148, no.9, pp.1-15, 2022 (SSCI)
- VIII. **Fuzzy-based GIS approach with new MCDM method for bike-sharing station site selection according to land-use types**
Eren E., Katanalp B. Y.
SUSTAINABLE CITIES AND SOCIETY, vol.76, pp.1-16, 2022 (SCI-Expanded)
- IX. **GIS-based assessment of pedestrian-vehicle accidents in terms of safety with four different ML models**
Katanalp B. Y., Eren E.
JOURNAL OF TRANSPORTATION SAFETY AND SECURITY, vol.14, no.9, pp.1598-1632, 2021 (SSCI)
- X. **The novel approaches to classify cyclist accident injury-severity: Hybrid fuzzy decision mechanisms**
Katanalp B. Y., Eren E.
ACCIDENT ANALYSIS AND PREVENTION, vol.14, no.9, pp.1598-1632, 2020 (SSCI)

Articles Published in Other Journals

- I. **Atık Kömür Katkılı Asfalt Karışım Performans Karakteristiklerinin Yapay Sinir Ağları Ve Merkezi Kompozit Tasarım Yöntemleri Kullanılarak Karşılaştırılması**
KATANALP B. Y., YILDIRIM Z. B., KARACASU M., İBRİKÇİ T.
Mühendislik Bilimleri ve Tasarım, vol.7, no.3, 2019 (Peer-Reviewed Journal)
- II. **A DESIGN FOR PREVENTION OF VIOLATION OF DISABLED PARKING SPACES: DDPS (DETERRENT DISABLED PARKING SYSTEM)**
KATANALP B. Y., NENNOĞLU A. K., ÖZİNAL Y., YILDIRIM Z. B., EREN E.
Eskişehir Osmangazi Üniversitesi mühendislik ve mimarlık fakültesi dergisi (online), vol.27, no.3, pp.242-251, 2019

Papers Published in Refereed Scientific Meetings

- I. **Optimizing the Performance Characteristics of SBS - Geopolymer Modified Bitumen: A Data-Driven Approach with ANN and Design Expert Software**
Ahmedzade P., KATANALP B. Y., Tastan M., Türkyılmaz Ç. C., Türkyılmaz E.
2nd International Conference on Information Technologies and Their Applications, ITTA 2024, Baku, Azerbaijan, 23 - 25 April 2024, vol.2226 CCIS, pp.3-17
- II. **Impact of Fly Ash-Based Geopolymer Modification on the High-Temperature Properties of Bitumen**
KATANALP B. Y., TAŞTAN M., AHMEDZADE P., CANBAY TÜRKYILMAZ Ç., TÜRKYILMAZ E.
17. International Conference on Pavement Engineering, Analysis and Design, Singapore, 3 - 04 July 2023
- III. **The Effect of Ethylene Propylene Diene Monomer on the Rheological Properties of Bitumen**
EREN E., KATANALP B. Y., TAŞTAN M., AHMEDZADE P., CANBAY TÜRKYILMAZ Ç., TÜRKYILMAZ E.
17. International Conference on Advanced Pavement Materials for Sustainable Transportation Infrastructure, Balvi, Latvia, 06 July 2023
- IV. **A Literature Review on Design of Geometric Elements of The Roundabouts**
ÖZİNAL Y., GÖKALP İ., KATANALP B. Y., UZ V. E.
International Civil Engineering Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, vol.1, pp.2477-2485
- V. **Akıllı Ulaşım Sistemleri Üzerine Bir Değerlendirme**
KATANALP B. Y., YILDIRIM Z. B., EREN E., UZ V. E.
International Symposium on Innovative Approaches in Scientific Studies, Samsun, Turkey, 29 November - 02 December 2018, vol.3, pp.1503-1506
- VI. **Deneysel Tasarım Yöntemlerinin Yol Üstyapı Uygulamalarında Kullanılabilirliğinin İncelenmesi**
YILDIRIM Z. B., EREN E., KATANALP B. Y., KARACASU M.
International Symposium on Innovative Approaches in Scientific Studies, ISAS 2018, Samsun, Turkey, 29 - 02 November 2018, vol.3, pp.1514-1519
- VII. **Türkiye'deki Bisiklet Paylaşım Programları**
EREN E., KATANALP B. Y., YILDIRIM Z. B., UZ V. E.
International Symposium on Innovative Approaches in Scientific Studies, ISAS, Samsun, Turkey, 30 November - 02 December 2018, vol.3, pp.1507-1513

Supported Projects

Katanalp B. Y., Beycioğlu A., Şahmaran M., Purutçuoğlu Gazi V., Yazıcı Ş., Toros H., Emiroğlu M., Çalim F. F., Tanircan G., Berberoğlu S., et al., TUBİTAK Project, Mühendislik Alanında Proje Eğitimi (TÜBİTAK 2237-B Proje Eğitimi Etkinliklerini Destekleme Programı), 2019 - 2019

Metrics

Publication: 19

Citation (WoS): 100

Citation (Scopus): 104

H-Index (WoS): 5

H-Index (Scopus): 5