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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAW-7126-2020

ScopusID: 57828654700

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Education Information

Doctorate, Karadeniz Technical University, İnşaat Mühendisliği, Turkey 2016 - Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 2013 - 2016

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Personal Evolution, YAŞAM KOÇLUĞU SERTİFİKASI- CERTIFICATE OF LIFE COACHING TRAINING, Başkent Üniversitesi, 2021

Dissertations

Doctorate, Bor ve Tall Yağının Sentezlenmesiyle Elde Edilen Yeni Bir Katkıyla Asfaltın Modifiye Edilmesi ve Kaplama Performansı Üzerindeki Etkilerinin Araştırılması, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2024

Postgraduate, THE INVESTIGATION OF USING OF COLEMANITE IN SOIL STABILIZATION, Karadeniz Technical University, Of Teknoloji Fakültesi, İnşaat Mühendisliği, 2016

Research Areas

Civil Engineering, Transportation Engineering, Highways, Road Materials, Engineering and Technology

Academic Titles / Tasks

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Physical and Microstructural Properties of New Boron Resin Compound Synthesized Asphalt**
Bozdemir M. G., Oruç Ş., Yeşilçiçek H.
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.35, no.2, 2023 (SCI-Expanded)
- II. **Rheological properties of synthesised additives in hot mix asphalt Reološka svojstva sintetiziranih aditiva u vrućoj asfaltnoj mješavini**
Yeşilçiçek H., Bozdemir M. G., Oruç Ş.
Gradjevinar, vol.75, no.7, pp.679-694, 2023 (SCI-Expanded)
- III. **Characterization and rheological properties of asphalt binder with a novel tall oil-based boron additive to enhance asphalt performance**
YEŞİLÇİÇEK H., ORUÇ Ş., Gülfer Bozdemir M.
Construction and Building Materials, vol.359, 2022 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Utilization of a New Synthesis Tall Oil-based Boron Additive at Low Temperatures**
YEŞİLÇİÇEK H., BOZDEMİR M. G., ORUÇ Ş.
5th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 25 - 27 September 2024, vol.46, pp.529-533
- II. **Investigation of the Effect of Asphalt Binder Modified with the New Synthesized TOBO Additive on Rutting Performance**
YEŞİLÇİÇEK H., BOZDEMİR M. G., ORUÇ Ş.
15th International Congress on Advances in Civil Engineering (ACE), Gazimagusa, Cyprus (Kktc), 6 - 09 September 2023
- III. **Investigation of Rutting Performance of Asphalt Binder Modified with New Boron-containing Additive**
BOZDEMİR M. G., YEŞİLÇİÇEK H., ORUÇ Ş.
15th International Congress on Advances in Civil Engineering (ACE), Gazimagusa, Cyprus (Kktc), 6 - 08 September 2023
- IV. **A state-of-the-art review on the rheological properties of boron containing additives in asphalt**
YEŞİLÇİÇEK H., BOZDEMİR M. G., ORUÇ Ş.
4th International Conference on Advanced Engineering Technologies ICADET'22, Bayburt, Turkey, 28 - 30 September 2022, vol.34, pp.783-795
- V. **A state-of-the-art review on the rheological properties of boron containing additives in hot mix asphalt**
Yeşilçiçek H., Bozdemir M. G., Oruç Ş.
4rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 28 - 30 September 2022, no.34, pp.783-795
- VI. **Synthesis of a New Boron Added Rosin Compound and Investigation of Its Microstructure**
BOZDEMİR M. G., YEŞİLÇİÇEK H., ORUÇ Ş.
14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 06 September 2021, pp.1400-1405
- VII. **Effect of Tall Oil-Based Boron Oxide Compound on Microstructure of Asphalt Binder**
YEŞİLÇİÇEK H., BOZDEMİR M. G., ORUÇ Ş.
14th INTERNATIONAL CONGRESS ON ADVANCES IN CIVIL ENGINEERING, İstanbul, Turkey, 06 September 2021, pp.1393-1399

VIII. Investigation the Use of Nano-Boron in the Modification of Asphalt Binder with Safflower Oil

BOZDEMİR M. G., YEŞİLÇİÇEK H., YILMAZ B., ORUÇ Ş.

International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019, pp.2426-2432

IX. The Investigation of Using of Colemanite in Soil Stabilization

YEŞİLÇİÇEK H., ÖZCAN M. G., ORUÇ Ş.

2nd International Conference on Civil and Environmental Engineering (ICOCEE – Cappadocia2017), Nevşehir, Turkey, 8 - 10 May 2017

Supported Projects

ORUÇ Ş., BOZDEMİR M. G., YEŞİLÇİÇEK H., Project Supported by Higher Education Institutions, Bor Esaslı Reçineli Yeni Bir Katkı Maddesi Üretilerek Asfaltın Modifiye Edilmesi ve Karışım Performansının İyileştirilmesi, 2020 - 2023

Metrics

Publication: 12

Citation (WoS): 5

Citation (Scopus): 8

H-Index (WoS): 1

H-Index (Scopus): 2