

## Personal Information

**Email:** ermancavdar@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr/ermancavdar>

**Address:** K.T.Ü. İnşaat Mühendisliği Bölümü Kat:2 Oda:234 Ortahisar/TRABZON

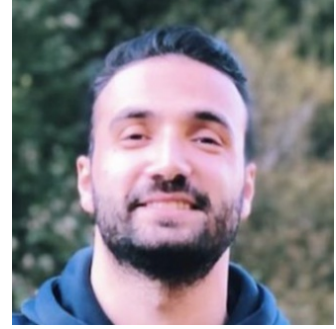
## International Researcher IDs

ScholarID: HfrABLA AAAAJ

ORCID: 0000-0002-0238-5245

Publons / Web Of Science ResearcherID: AAL-3604-2021

Yoksis Researcher ID: 292699



## Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey 2019

- Continues

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, -, Turkey

2016 - 2019

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat

Mühendisliği, Turkey 2011 - 2016

## Research Areas

Civil Engineering, Transportation Engineering, Road Materials

## Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2018 - Continues

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Using Ulexite as a Filler in Various Combinations in Stone Mastic Asphalt Mixtures**  
Kabadaylı E., ÇAVDAR E., Kumandaş A., Şahan N., ORUÇ Ş.  
Journal of Materials in Civil Engineering, vol.36, no.2, 2024 (SCI-Expanded)
- II. **Investigation of the Effect of Boron Oxide and Beeswax on Workability and High-Temperature Performance of Bitumen**  
Şahan N., ORUÇ Ş., ÇAVDAR E., Kumandaş A., Kabadaylı E., Kök B. V.  
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)
- III. **The use of wax-based additives in bitumen modification: A systematic quantitative literature review**  
Şahan N., Kumandaş A., Kabadaylı E., Çavdar E., Oruç Ş.  
CONSTRUCTION AND BUILDING MATERIALS, vol.407, 2023 (SCI-Expanded)
- IV. **Effect of WCO addition on high and low-temperature performance of RET modified bitumen**  
Kumandaş A., ÇAVDAR E., ORUÇ Ş., Pancar E. B., Kök B. V.

## Articles Published in Other Journals

- I. **Reaktif etilen terpolimerlerin bitümün modifikasyonunda kullanımı: Bir literatür araştırması**  
KUMANDAŞ A., ÇAVDAR E., PANCAR E. B., ORUÇ Ş.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.3, pp.845-862, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Examination of the physical properties of PMMA modified bitumen prepared with a mechanical mixer in laboratory environment**  
ÇAVDAR E., KUMANDAŞ A., ŞAHAN N., KABADAYI E., ORUÇ Ş.  
3. International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, pp.2049-2057
- II. **The Effect of Wax-based Additives on Penetration and Softening Points in Bitumen Modification: A Literature Review**  
ŞAHAN N., KABADAYI E., KUMANDAŞ A., ÇAVDAR E., ORUÇ Ş.  
4th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 28 - 29 September 2022
- III. **Investigation of the Usability of Beewax in Bitumen Modification**  
ŞAHAN N., ÇAVDAR E., KUMANDAŞ A., ORUÇ Ş.  
14th International Congress on Advances in Civil Engineering (ACE 2020-21), İstanbul, Turkey, 06 September 2021
- IV. **Investigation of Rheological Properties of Waste Cooking Oil, RET and PPA Composite Modified Bitumen by DSR and BBR**  
Kumandaş A., Çavdar E., Pancar E. B., Oruç Ş.  
International IDU Engineering Symposium IES'20, İzmir, Turkey, 5 - 13 December 2020, pp.147-153
- V. **Effect of Waste Cooking Oil Use in the Modification of SBS Modified Asphalt Binder**  
ÇAVDAR E., KUMANDAŞ A., ORUÇ Ş.  
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1653-1659

## Metrics

Publication: 10  
Citation (WoS): 15  
Citation (Scopus): 18  
H-Index (WoS): 2  
H-Index (Scopus): 2