

## Res. Asst. BAKİ OSMAN BEKGÖZ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Computer Engineering, Turkey 2022 - Continues

Postgraduate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Computer Engineering, Turkey 2018 - 2022

Undergraduate, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, Bilgisayar Mühendisliği Bölümü, Turkey 2011 - 2016

### Research Areas

Computer Learning, Pattern Recognition and Image Processing, Neural Networks

### Academic Titles / Tasks

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ, 2020 - Continues

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

- I. **Prediction of the proximate analysis parameters of refuse-derived fuel based on deep learning approach**  
Günkaya Z., Özkan M., Özkan K., Bekgöz B. O., Yorulmaz Ö., Özkan A., Banar M.  
Environmental Science and Pollution Research, vol.30, no.7, pp.17327-17341, 2023 (SCI-Expanded)
- II. **Implementation of an early warning system with hyperspectral imaging combined with deep learning model for chlorine in refuse derived fuels**  
ÖZKAN M., ÖZKAN K., BEKGÖZ B. O., Yorulmaz Ö., Günkaya Z., Özkan A., Banar M.  
Waste Management, vol.142, pp.111-119, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Regression based prediction of higher heating value for refuse-derived fuel using convolutional neural networks predicted elemental data and spectrographic measurements**  
BEKGÖZ B. O., Günkaya Z., ÖZKAN K., ÖZKAN M., Özkan A., Banar M.  
Waste Disposal and Sustainable Energy, vol.6, no.3, pp.429-437, 2024 (Scopus)

## Supported Projects

Özkan M., Kaleci B., Elibol Seçil G., Seçil S., Yazıcı A., TUBITAK Project, Çok Parçalı Yapıların Kalite Denetimine Yönelik Otonom Robotik Denetleme Yöntemi Geliştirilmesi, 2022 - 2025

Banar M., Özkan K., Özkan M., Özkan A., Günkaya Z., TUBITAK Project, Use of Chemical Input Focused Hyper Spectral Imaging and Deep Learning Methods for Developing an Early Warning System which Sustains The Process, Environment and Material Quality Assurance for Determination of The Characteristics of Refuse Derived Fuels which Will Be Used In Cement Facilities, 2018 - 2021

## Metrics

Publication: 3

Citation (WoS): 2

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1