

## Res. Asst. FATMA ECE SAYIN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2020 - Continues

Postgraduate, Bogazici University, Institute Of Environmental Sciences, Turkey 2015 - 2019

Undergraduate Minor, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, Turkey 2009 - 2014

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Effects of arbuscular mycorrhizal fungi interactions and sewage sludge application on heavy metal phytoremediation in mine tailings, Bogazici University, Institute Of Environmental Sciences, Department Of Environmental Technology, 2019

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, 2019 - Continues

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

- Application of machine learning algorithms and feature selection methods for better prediction of sludge production in a real advanced biological wastewater treatment plant**  
Ekinci E., ÖZBAY B., İLHAN OMURCA S., SAYIN F. E., ÖZBAY İ.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.348, 2023 (SCI-Expanded)

- II. **Comparative evaluation of alternatives for management of wood wastes by using multi-criteria decision tools**  
Sayın F. E., Topaloğlu G., Özbay B., Özbay İ.  
ENVIRONMENTAL RESEARCH COMMUNICATIONS, vol.5, no.11, 2023 (SCI-Expanded)
- III. **Treatment of real printing and packaging wastewater by combination of coagulation with Fenton and photo-Fenton processes**  
SAYIN F. E., Karatas O., ÖZBAY İ., GENGEÇ E., Khataee A.  
CHEMOSPHERE, vol.306, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Port waste reception facilities in iron-steel industry: A case study from Türkiye**  
ÖZBAY İ., Aksoy C., ÖZBAY B., SAYIN F. E.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, no.3, pp.845-853, 2024 (ESCI)
- II. **Marmara Denizi Yüzeyinden Toplanan Müsilaj Biyokütlesinin Suyunun Giderilmesi: Koagülasyon ve Santrifüj Proseslerinin Optimizasyonu**  
GENÇ N., DURNA E., SAYIN F. E.  
Aksaray University Journal of Science and Engineering, vol.5, no.2, pp.138-157, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Arbuscular Mycorrhizal Fungi (G. Mosseae and G. Intraradices) Interactions and Sewage Sludge Addition on Heavy Metal Phytoremediation in Mine Tailings**  
SAYIN F. E., Khalvati M. A., ERDİNÇLER A.  
HERAKLION 2019 7th International Conference on Sustainable Solid Waste Management, Girit, Greece, 26 - 29 June 2019

## Supported Projects

ÖZBAY İ., SAYIN F. E., Project Supported by Higher Education Institutions, Oksijen tüketimi üzerinden organik atıkların aerobik bozunum karakteristiklerinin belirlenmesi, 2023 - Continues

ÖZBAY İ., SAYIN F. E., Project Supported by Higher Education Institutions, Kentsel Katı Atıklardan Yakıt Nitelikli Ürün Elde Edilmesinde Biyokurutma Teknolojisinin Etkinliğinin İncelenmesi, 2023 - Continues

Özbay İ., Gökteş R. K., Çallı B., Özbay B., TUBITAK Project, Investigation of the efficiency of the bio-drying process in obtaining fuel-qualified products from municipal solid wastes and developing a mathematical model for the process, 2023 - 2025

ÖZBAY İ., GENGEÇ E., SAYIN F. E., Project Supported by Higher Education Institutions, Brode Üretimi Atıklarının Elektro-oksidasyonla Arıtımı, 2021 - 2022

## Metrics

Publication: 6  
Citation (WoS): 16  
Citation (Scopus): 21  
H-Index (WoS): 1  
H-Index (Scopus): 1