

## Res. Asst. FATMA ECE SAYIN

### Personal Information

**Office Phone:** [+90 262 303 3204](tel:+902623033204)

**Email:** ece.sayin@kocaeli.edu.tr

**Web:** <https://avesis.kocaeli.edu.tr/ece.sayin>

### International Researcher IDs

ScholarID: 8vjbDX8AAAAJ

ORCID: 0000-0003-3927-1863

Yoksis Researcher ID: 312532

### 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

- I. 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. 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., Göktaş 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 Atıksularının Elektro-oksidasyonla Aritimi, 2021 - 2022

## Metrics

- Publication: 5  
Citation (WoS): 15  
Citation (Scopus): 21  
H-Index (WoS): 1  
H-Index (Scopus): 1