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Education Information

Doctorate, Kocaeli University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2020 - Continues
Postgraduate, Bogazici University, Institute Of Envıronmental Scıences, 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 Envıronmental Scıences, Department Of Envıronmental 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 Arıtımı, 2021 - 2022

Metrics

Publication: 5
Citation (WoS): 15
Citation (Scopus): 19
H-Index (WoS): 1
H-Index (Scopus): 1