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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: MIP-2977-2025

ScopusID: 57203888523

Yoksis Researcher ID: 45889

Education

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey

2015 - 2022

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey

2013 - 2015

Undergraduate, Suleyman Demirel University, Mühendislik Fakültesi, Çevre Mühendisliği, Turkey 2005 - 2009

Dissertations

Doctorate, Endokrin Bozucu Bileşiklerin Evsel Atıksulardan MBR ile Giderimine İşletme Şartlarının Etkisinin Araştırılması, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, 2022

Postgraduate, Membran biyoreaktörde respirometrik yöntem ile kinetik ve stokiyometrik katsayıların belirlenmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği, 2015

Research Areas

Environmental Engineering, Environmental Technology, Water Pollution and Control, Water Supply and Treatment, Engineering and Technology

Academic Positions

Research Assistant, Yıldız Technical University, Faculty Of Civil Engineering, Çevre Mühendisliği, 2013 - Continues

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Treatment of textile wastewater in a single-step moving bed-membrane bioreactor: Comparison with conventional membrane bioreactor in terms of performance and membrane fouling**
Tecirli E. S., Akgun K., ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Water and Environment Journal, vol.38, no.3, pp.465-480, 2024 (SCI-Expanded)

- II. **Chemical oxygen demand and tannin/lignin removal from paper mill wastewater by electrocoagulation combined with peroxide and hypochlorite treatments**
ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Environmental Technology (United Kingdom), vol.45, no.15, pp.3076-3094, 2024 (SCI-Expanded)
- III. **Performance evaluation of ceramic membrane bioreactor: effect of operational parameters on micropollutant removal and membrane fouling**
Çağlak A., Chormey D. S., Bakirdere S., Engin G.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.29, no.45, pp.68306-68319, 2022 (SCI-Expanded)
- IV. **Performance evaluation of conventional membrane bioreactor and moving bed membrane bioreactor for synthetic textile wastewater treatment**
Sarı Erkan H., Çağlak A., Soysaloglu A., Takatas B., Onkal Engin G.
JOURNAL OF WATER PROCESS ENGINEERING, vol.38, 2020 (SCI-Expanded)
- V. **Feasibility Studies on the Effect of Natural Plant Compounds on Sludge Characteristics in a Batch-Type Aerobic Reactor and N-butyryl-L Homoserine Lactone**
Turan N. B., Erkan H., Chormey D. S., Çağlak A., Bakirdere S., Engin G.
ANALYTICAL LETTERS, vol.53, no.15, pp.2431-2444, 2020 (SCI-Expanded)
- VI. **Removal of Selected Micropollutants from Synthetic Wastewater by Electrooxidation Using Oxidized Titanium and Graphite Electrodes**
Turan N. B., ÇAĞLAK A., BAKIRDERE S., Engin G. Ö.
Clean - Soil, Air, Water, vol.48, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Treatment of textile wastewater in combined granular activated carbonmembrane bioreactor (GAC-MBR)**
Tecirli E. S., Akgün K., ÇAĞLAK A., SARI ERKAN H., Onkal Engin G.
Sigma Journal of Engineering and Natural Sciences, vol.42, no.5, pp.1490-1499, 2024 (ESCI)
- II. **Application of an airlift internal circulation membrane bioreactor for the treatment of textile wastewater**
ÇAĞLAK A., BAKARAKI TURAN N., SARI ERKAN H., ENGİN G.
Environmental Research & Technology, vol.5, pp.24-32, 2022 (Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Performance Comparison of ConventionalMembrane Bioreactor and Moving BedMembrane Bioreactor for the Treatment ofSynthetic Textile Wastewater**
SOYSALOĞLU A., TAKATAŞ B., SARI ERKAN H., ÇAĞLAK A., ENGİN G.
5th EurAsia Waste Management Symposium (EWMS) 2020, 26 - 28 October 2020
- II. **Micropollutants Removal in Submerged Membrane Bioreactors at Different SRT Values and Variations of Extracellular Polymeric Substances**
ÇAĞLAK A., SARI ERKAN H., ENGİN G.
11th Eastern European Young Water Professionals Conference, Prag, Czech Republic, 1 - 05 October 2019, pp.288-294, (Full Text)

Funded Projects

ENGİN G., SARI ERKAN H., ÇAĞLAK A., Kaska D., Project Supported by Higher Education Institutions, Yaygın kullanılan endokrin bozucu mikrokirleticilerin anodik oksidasyon prosesiyle sudan gideriminin araştırılması: Estron ve fluoksetin

örneği, 2023 - 2025

ÇAĞLAK A., TEKYILDIZ Y., ENGİN G., SARI ERKAN H., Project Supported by Higher Education Institutions, Tekstil Atıksuyunun Hibrit Kimyasal ve Elektrokimyasal Proseslerle Arıtımında Farklı Proses Alternatiflerinin Değerlendirilmesi, 2023 - 2024

ENGİN G., ÇAĞLAK A., Project Supported by Higher Education Institutions, Endokrin Bozucu Bileşiklerin Evsel Atıksulardan Membran Biyoreaktör İle Giderime İşletme Şartlarının Etkisinin Araştırılması, 2017 - 2022

ENGİN G., ÇAĞLAK A., Project Supported by Higher Education Institutions, İz Organik Mikrokirleticilerinin Membran Biyoreaktörde Arıtılabilirliğinin İncelenmesi, 2019 - 2021

Metrics

Publication: 18

Citation (WoS): 49

Citation (Scopus): 154

H-Index (WoS): 4

H-Index (Scopus): 6

Non Academic Experience

Business Establishment Private, ER ESİLA ÇEVRE VE İSG MÜH. MÜŞ. LAB. İNŞ. TURZ. GIDA TEKS. SAN. VE TİC. LTD. ŞTİ.,
Çevre Yönetimi, Çevre Görevlisi

Business Establishment Private, Yeşilyurt Ambalaj Atıkları T.A.T., Çevre Yönetimi, Çevre Görevlisi