

## Res. Asst. PhD Abdulkadir ÇAĞLAK

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Çevre Mühendisliği, Turkey  
2015 - 2022

Postgraduate, Yildiz 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 Eysel Atıksulardan MBR ile Giderimine İşletme Şartlarının Etkisinin Araştırılması,  
Yildiz 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 Titles / Tasks

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

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

- 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)
- 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)

### Refereed Congress / Symposium Publications in Proceedings

- 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

### Supported Projects

ENGİN G., ÇAĞLAK A., Project Supported by Higher Education Institutions, Endokrin Bozucu Bileşiklerin Evsel Atıksulardan Membran Biyoreaktör İle Giderimine 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): 135

H-Index (WoS): 4

H-Index (Scopus): 5

## **Non Academic Experience**

Business Establishment Private, Er Esila Çevre Danışmanlık Lab Ltd.Şti

ER ESİLA ÇEVRE VE İSG MÜH. MÜŞ. LAB. İNŞ. TURZ. GIDA TEKS. SAN. VE TİC. LTD. ŞTİ.

Business Establishment Private, Yeşilyurt Tat

Yeşilyurt Ambalaj Atıkları T.A.T.