

Res. Asst. PhD BURCU ŞENGÜL

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-1166-2020

ScopusID: 56461277600

Yoksis Researcher ID: 123433

Education Information

Post Doctorate, CIEMAT-Plataforma Solar de Almeria, Solar Treatment of Water Unit, Spain 2022 - 2023

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Environmental Engineering, Turkey 2009 - 2016

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Environmental Engineering, Turkey 2007 - 2009

Undergraduate, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, Turkey 1996 - 2004

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Disinfection of Domestic Wastewaters by UV and Solar Based Advanced Oxidation Processes, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Environmental Engineering (PhD), 2016

Postgraduate, The efficiency of non-DBP forming methods in drinking water disinfection, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Environmental Engineering (MSc), 2009

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Microbiology

Academic Titles / Tasks

Research Assistant PhD, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ÇEVRE MÜHENDİSLİĞİ, 2018 - Continues

Research Assistant, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Çevre Mühendisliği, 2009 - 2015

Courses

Disinfection Techniques, Undergraduate, 2023 - 2024
Anaerobic Treatment, Undergraduate, 2022 - 2023
Environmental Microbiology Laboratory, Undergraduate, 2019 - 2020
Marine Outfall Systems, Undergraduate, 2020 - 2021
Preparation to Graduation Project, Undergraduate, 2020 - 2021
Environmental Microbiology Laboratory, Undergraduate, 2020 - 2021
Environmental Microbiology Laboratory, Undergraduate, 2019 - 2020
Preparation to Graduation Project, Undergraduate, 2019 - 2020
Environmental Microbiology Laboratory, Undergraduate, 2019 - 2020
Marine Outfall Systems, Undergraduate, 2019 - 2020
Microbiology Laboratory, Undergraduate, 2019 - 2020
Marine Outfall Systems, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Performance Evaluation of Diethylamine to the Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Polluted Soils with Sunlight**
Eker G., ŞENGÜL B., CİNDORUK S. S.
Polycyclic Aromatic Compounds, vol.41, pp.306-318, 2021 (SCI-Expanded)
- II. **Effects of Hydrogen Peroxide and Temperature on Removal of Polycyclic Aromatic Hydrocarbons (Pahs) from Soil during Photodegradation Applications**
ŞENGÜL B., EKER ŞANLI G., SAKIN A. E.
SOIL & SEDIMENT CONTAMINATION, vol.30, no.4, pp.436-448, 2021 (SCI-Expanded)
- III. **Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Industrial Soil with Solar and UV Light**
Eker G., Şengül B.
POLYCYCLIC AROMATIC COMPOUNDS, vol.40, pp.1238-1250, 2020 (SCI-Expanded)
- IV. **Efficiencies of solar light, solar/H₂O₂ and solar photo-Fenton processes for disinfection of turbid wastewaters**
ALKAN U., Topac B., Denizli N.
DESALINATION AND WATER TREATMENT, vol.80, pp.149-155, 2017 (SCI-Expanded)
- V. **Comparison of solar/H₂O₂ and solar photo-fenton processes for the disinfection of domestic wastewaters**
Topac B., ALKAN U.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.20, no.7, pp.2632-2639, 2016 (SCI-Expanded)
- VI. **Comparison of indicator bacteria inactivation by the ultraviolet and the ultraviolet/hydrogen peroxide disinfection processes in humic waters**
Teksoy A., Alkan U., Çalışkan Eleren S., Topac B., Topaç Şağban F. O., Baskaya H. S.
JOURNAL OF WATER AND HEALTH, vol.9, pp.659-669, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evsel Atıksuların Solar TiO₂ Fotokatalizi ile Dezenfeksiyonu**
ŞENGÜL B., ALKAN U.
İklim Değişikliği ve Çevre, vol.3, no.2, pp.39-46, 2018 (Peer-Reviewed Journal)
- II. **Disinfection of domestic wastewater by solar TiO₂ photocatalysis using CPC solar reactor: A case study in Bursa**
ŞENGÜL B., ALKAN U.
Journal of Biological Environmental Sciences, vol.12, no.35, pp.43-50, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evsel Atıksuların Solar TiO₂ Fotokatalizi ile Dezenfeksiyonu**
ŞENGÜL B., ALKAN U.
Uluslararası Su ve Çevre Kongresi (SUCEV2018), Bursa, Turkey, 22 - 24 March 2018, pp.1049-1056
- II. **Güneş Işığının Su ve Atıksu Dezenfeksiyonunda Kullanımı**
ŞENGÜL TOPAÇ B., ALKAN U.
Uludağ Üniversitesi III. Bilgilendirme ve Ar-Ge Günleri, Bursa, Turkey, 12 - 14 November 2013
- III. **Disinfection of Water and Wastewater by Solar Radiation**
ŞENGÜL TOPAÇ B., ALKAN U.
International Conference on Science and Technology (ICOEST-Cappadocia), Nevşehir, Turkey, 18 - 21 June 2013, pp.278-279
- IV. **Güneş Radyasyonu ile Yüzeysel Suların Dezenfeksiyonu**
ÇALIŞKAN ELEREN S., ALKAN U., TEKSOY A., ŞENGÜL B.
Uludağ Üniversitesi II. Bilgilendirme ve Ar-Ge Günleri, France, 15 - 16 November 2011
- V. **Hüyük Madde İçeren Yüzeysel Sularda UV ve UV H₂O₂ Proseslerinin Verimlilikleri**
ALKAN U., ÇALIŞKAN ELEREN S., TEKSOY A., ŞENGÜL B., Başkaya H. S.
Uludağ Üniversitesi I. Bilgilendirme ve Ar-Ge Günleri, France, 15 - 16 November 2011

Supported Projects

TAŞDEMİR Y., EKER ŞANLI G., ŞENGÜL B., DURMUŞ F., Project Supported by Higher Education Institutions, Bursa'da Dioksinler ve Furanlardan (PCDDF'lar) Kaynaklanan Toprak Kirliliği Seviyesinin Belirlenmesi ve Hava/Toprak Arakesitindeki Değişim Miktarlarının Bölgesel ve Mevsimsel Olarak İncelenmesi, 2022 - Continues

Şengül B., Alkan U., Project Supported by Higher Education Institutions, Evsel Atıksuların İleri Oksidasyon Prosesleri ile Dezenfeksiyonu ve Organik Madde Giderimi, 2012 - 2016

ŞENGÜL B., ALKAN U., Project Supported by Higher Education Institutions, Evsel Atıksuların Güneş Işığına Dayalı Prosesler ile Dezenfeksiyonu Sonrasında Yeniden Çoğalma Potansiyelinin Belirlenmesi, 2015 - 2015

Teksoy A., Şengül B., Alkan U., Project Supported by Higher Education Institutions, UV ve UV H₂O₂ Dezenfeksiyon Proseslerinin Hüyük Madde İçeren Yüzeysel Suların Dezenfeksiyonundaki ve Mikrobiyal Yeniden Çoğalma Potansiyelini Önlemedeki Verimliliklerini, 2007 - 2010

Metrics

Publication: 13
Citation (WoS): 40
Citation (Scopus): 40
H-Index (WoS): 3
H-Index (Scopus): 3

Scholarships

2219 International Postdoctoral Research Fellowship Programme, Other International Organizations, 2022 - 2023