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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: U-9129-2018

Education Information

Doctorate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Müh. / Environmental Biotechnology, Turkey
2005 - 2013

Postgraduate, İstanbul Technical University, Fen Bilimleri Enstitüsü, Çevre Müh. / Environmental Biotechnology, Turkey
2003 - 2005

Undergraduate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1997 - 2001

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, A novel application for membrane bioreactors at limiting operational conditions targeting carbon removal: Process performance and feasibility Karbon giderimine yönelik membran biyoreaktörlerin kısıtlı işletme koşullarında proses performansının araştırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Müh. / Environmental Biotechnology, 2013

Postgraduate, Pre-treatment of simulated acid dyebaths by Fenton's reagent Simüle edilmiş asit boya banyoların Fenton reaktanı ile ön arıtımı, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Müh. / Environmental Biotechnology, 2005

Research Areas

Environmental Engineering, Environmental Technology, Waste Water Collection and Treatment, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, İstanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Bioengineering , 2018 - Continues

Research Assistant, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, 2001 - 2003

Academic and Administrative Experience

Member of the Senate, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Bioengineering , 2020 - Continues

Vice Dean, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Bioengineering , 2020 - Continues

Deputy Head of Department, Istanbul Medeniyet University, Faculty of Engineering and Natural Sciences , Bioengineering , 2018 - Continues

Courses

Biyoproses Mühendisliği, Undergraduate, 2020 - 2021

Araştırma Yöntemleri, Undergraduate, 2019 - 2020

Akademik Sunum Becerileri, Undergraduate, 2019 - 2020

Yenilenebilir Enerji Teknolojileri, Postgraduate, 2018 - 2019

Çevre Mühendisliğinin Temel Kavramları, Postgraduate, 2018 - 2019

Enerji ve Sera Gazı Emisyon Yönetimi, Postgraduate, 2018 - 2019, 2019 - 2020

Biyomühendisliğe Giriş, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High concentration hexavalent chromium removal performance of a sulfidogenic activated carbon-bed bioreactor at moderate temperature**
TEKSOY BAŞARAN S., Kutlar F. S. , ŞAHİNKAYA E.
JOURNAL OF WATER PROCESS ENGINEERING, vol.42, 2021 (Peer-Reviewed Journal)
- II. **Autonomous desalination for improving resilience and sustainability of water management in North Cyprus**
TEKSOY BAŞARAN S., Gokcekus H., Orhon D., Sozen S.
DESALINATION AND WATER TREATMENT, vol.177, pp.283-289, 2020 (Peer-Reviewed Journal)
- III. **A novel process maximizing energy conservation potential of biological treatment: Super fast membrane bioreactor**
Sözen S., Teksoy-Basaran S., Ergal I., Karaca C., ALLI B., Razbonyali C., Ubay-Cokgor E., Orhon D.
JOURNAL OF MEMBRANE SCIENCE, vol.545, pp.337-347, 2018 (Peer-Reviewed Journal)
- IV. **Toward a novel membrane process for organic carbon removal-fate of slowly biodegradable substrate in super fast membrane bioreactor**
Sözen S., Basaran S., Akarsubasi A., Ergal I., Insel G., Karaca C., Orhon D.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.23, no.16, pp.16230-16240, 2016 (Peer-Reviewed Journal)
- V. **Super fast membrane bioreactor transition to extremely low sludge ages for waste recycle and reuse with energy conservation**
Orhon D., Sözen S., Basaran S., Alli B.
DESALINATION AND WATER TREATMENT, vol.57, no.45, pp.21160-21172, 2016 (Peer-Reviewed Journal)
- VI. **Performance and microbial behavior of submerged membrane bioreactor at extremely low sludge ages**
Sözen S., Pala-Ozkok I., Aysel M., Teksoy-Basaran S., Akarsubasi A., Ergal I., Kurt H., Ubay-Cokgor E., Orhon D.
DESALINATION AND WATER TREATMENT, vol.56, no.4, pp.862-874, 2015 (Peer-Reviewed Journal)

- VII. **Assessment of renewable energy potential and policy in Turkey - Toward the acquisition period in European Union**
Basaran S., Doğru A. Ö. , Balcik F. B. , Uluğtekin N. N. , Göksel Ç., Sözen S.
ENVIRONMENTAL SCIENCE & POLICY, vol.46, pp.82-94, 2015 (Peer-Reviewed Journal)
- VIII. **Effect of high loading on substrate utilization kinetics and microbial community structure in super fast submerged membrane bioreactor**
Sözen S., Çokgör E., Basaran S., Aysel M., Akarsubasi A., Ergal I., Kurt H., Pala-Ozkok I., Orhon D.
BIORESOURTE TECHNOLOGY, vol.159, pp.118-127, 2014 (Peer-Reviewed Journal)
- IX. **Kinetic characterization of acetate utilization and response of microbial population in super fast membrane bioreactor**
Basaran S., Aysel M., Kurt H., Ergal I., Akarsubasi A., Yağcı N., Doğruel S., Çokgör E., Keskinler B., Sözen S., et al.
JOURNAL OF MEMBRANE SCIENCE, vol.455, pp.392-404, 2014 (Peer-Reviewed Journal)
- X. **Removal of readily biodegradable substrate in super fast membrane bioreactor**
Basaran S., Aysel M., Kurt H., Ergal I., Kumru M., Akarsubasi A., Sözen S., Orhon D.
JOURNAL OF MEMBRANE SCIENCE, vol.423, pp.477-486, 2012 (Peer-Reviewed Journal)
- XI. **Assessment of institutional and policy conditions in Turkey: implications for the implementation of autonomous desalination systems**
Soezen S., Teksoy S., PAPAPETROU M.
DESALINATION, vol.220, pp.441-454, 2008 (Peer-Reviewed Journal)
- XII. **Effect of Fenton's treatment on the biodegradability of chromium-complex azo dyes**
ARSLAN-ALLATON I., KABDASLI I., Teksoy S.
WATER SCIENCE AND TECHNOLOGY, vol.55, no.12, pp.107-112, 2007 (Peer-Reviewed Journal)
- XIII. **Acid dye bath effluent pretreatment using Fenton's reagent: Process optimization, reaction kinetics and effects on acute toxicity**
ALATON I. A. , Teksoy S.
DYES AND PIGMENTS, vol.73, no.1, pp.31-39, 2007 (Peer-Reviewed Journal)
- XIV. **Market analysis for Autonomous Desalination Systems powered by renewable energy in southern Mediterranean countries. Case study on Turkey**
PAPAPETROU M., EPP C., Teksoy S., SOZEN S., ORTIN V., SEIBERT U., VOGT G.
DESALINATION, vol.183, pp.29-40, 2005 (Peer-Reviewed Journal)
- XV. **Advanced oxidation of commercial textile biocides in aqueous solution: effects on acute toxicity and biomass inhibition**
Arslan-Alaton I., Eremektar G., Germirli-Babuna F., Insel G., Selcuk H., Ozerkan B., Teksoy S.
WATER SCIENCE AND TECHNOLOGY, vol.52, pp.309-316, 2005 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PERFORMANCE OF A SULFATE REDUCING FLUIDIZED BED MEMBRANE BIOREACTOR (SR-FMBR) AT MEDIUM AND LOWER MESOPHILIC TEMPERATURES (20 °C AND 35 °C)**
Teksoy Başaran S., Öztemur G., Şahinkaya E.
6th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 18 - 20 November 2019
- II. **SÜLFAT İNDİRGEYEN AKIŞKAN YATAKLI MEMBRAN BİYOREAKTÖRDE AĞIR METAL GİDERİMİ VE MEMBRAN FİLTRASYON PERFORMANSI**
Teksoy Başaran S., Öztemur G., Şahinkaya E., Yurtsever A.
13. Ulusal Çevre Mühendisliği Kongresi , Kocaeli, Turkey, 10 - 12 October 2019
- III. **Anaerobik Akışkan Yataklı Membran Biyoreaktörde Oda Sıcaklığında Sülfat İndirgeme Performansı**
Teksoy Başaran S., Öztemur G., Yurtsever A., Şahinkaya E.
5th International Conference on ENGINEERING and Natural Science, Praha, Czech Republic, 12 - 16 June 2019, pp.66

Supported Projects

Teksoy Bařaran S., TUBITAK Project, Ardıřık Sabit Yataklı Anaerobik ve Aerobik Biyoreaktörlerde Metal İřleme Endüstrisi Atıksularının Arıtımı ve Mikrobiyal Popülasyonun Yenilikçi Moleküler Tekniklerle Belirlenmesi, 2019 - 2020
TEKSOY BAŐARAN S., ŐAHİNKAYA E., YURTSEVER A., Öztemur G., Project Supported by Higher Education Institutions, Anaerobik Akıřkan Yataklı Membran Biyoreaktörde Oda Sıcaklığında Sülfat İndirgeme Performansı, 2019 - 2019
TUBITAK Project, Membran Biyoreaktörlerin kısıtlı iřletme kořullarında (düşük hidrolik bekletme ve düşük çamur bekletme süreleri uygulanarak) karbon giderimine yönelik performansının incelenmesi ve oluřan çamurun yakıt olarak kullanımının deęerlendirilmesi, 2010 - 2012

Metrics

Publication: 19

Citation (WoS): 177

Citation (Scopus): 174

H-Index (WoS): 6

H-Index (Scopus): 6

Congress and Symposium Activities

6th MEMTEK Uluslararası Membran Teknolojileri ve Uygulamaları Sempozyumu, Working Group, İstanbul, Turkey, 2019

13. Ulusal & 1. Uluslararası Çevre Mühendislięi Kongresi, Working Group, Kocaeli, Turkey, 2019

5th International Conference on Engineering and Natural Science, Working Group, Praha, Czech Republic, 2019