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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABB-3358-2020

ScopusID: 57210863179

Yoksis Researcher ID: 123486

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, Turkey 2016 - 2024

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, Turkey 2014 - 2016

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Bölümü, Turkey 2013 - 2014

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Environmental Engineering, Turkey 2005 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Hidrodinamik kaviteasyonla sulu ortamdan amonyum giderimi, Atatürk Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2016

Research Areas

Environmental Engineering, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim Dalı, 2014 - Continues

Academic and Administrative Experience

Exam Program Preparation Commission Member, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği, 2015 - Continues

Curriculum Preparation Committee Member, Ataturk University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği Anabilim

Courses

Çevre Mühendisliği lab II, Undergraduate, 2022 - 2023
Çevre mühendisliği lab. I, Undergraduate, 2022 - 2023
Çevre Kimyası Lab II, Undergraduate, 2022 - 2023
Çevre kimyası lab I, Undergraduate, 2022 - 2023
Çevre mühendisliği lab I, Undergraduate, 2021 - 2022
Çevre mühendisliği II, Undergraduate, 2018 - 2019
Çevre Kimyası II, Undergraduate, 2018 - 2019
Fizik lab II, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Investigation of ammonia stripping with a hydrodynamic cavitation reactor**
Taşdemir A., Cengiz İ., Yıldız E., Bayhan Y. K.
Ultrasonics Sonochemistry, vol.60, 2020 (SCI-Expanded)

Books & Book Chapters

- I. MEMBRAN BİYOREAKTÖR KİRLİLİĞİ VE KONTROLÜNDE YENİ UYGULAMALAR**
Taşdemir A., Sözüdoğru O.
in: ÇEVRESEL PROBLEMLERİN ÇÖZÜMÜNDE YENİLİKÇİ YAKLAŞIMLAR II, Dr.Öğr.Üyesi Sinan KUL,Doç.Dr. İbrahim KARAKAŞ, Editor, İksad Yayınevi, Ankara, pp.63-86, 2022
- II. ATIKSU ARITIMINDA GÜNCEL MEMBRAN BİYOREAKTÖR TEKNOLOJİLERİ**
Taşdemir A., Sözüdoğru O.
in: ÇEVRESEL PROBLEMLERİN ÇÖZÜMÜNDE YENİLİKÇİ YAKLAŞIMLAR II, dr. öğretim üyesi sinan kul,doç.dr. ibrahim hakkı karakaş, Editor, İksad Yayınevi, Ankara, pp.35-62, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. Use of Fine-Kinney Risk Assessment Method for The Environmental Impact Assessment in Industrial Construction Projects**
Taşdemir A., Bayhan Y. K., Güneş Ü. B.
1st International Conference on Innovative Academic Studies, Konya, Turkey, 10 - 13 September 2022, pp.379
- II. COMPARATIVE ANALYSIS OF SPECTROPHOTOMETRIC RESIDUAL PEROXIDE MEASUREMENT METHODS IN A SLAUGHTERHOUSE WASTEWATER**
Taşdemir A., Bayhan Y. K.
2ND INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS, Nevşehir, Turkey, 17 - 19 June 2022, pp.723-731
- III. Comparison of Heavy Metal Limits Allowed for Reuse of Sewage Sludge In Turkey and EU Countries**
Taşdemir A., Erdem T. E., Bayhan Y. K.
ICAENS 2022: 2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 March 2022, vol.1, pp.420
- IV. Landfill Leachate Treatment in The Submerged BMR In Combination With the Hybrid Hydrodynamic Cavitation Ozonation Process**
Cengiz İ., Taşdemir A., Yıldız E., Bayhan Y. K.

6th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 18 - 20 November 2019, pp.1-5

- V. **Ammonia Stripping in Continuous Hydrodynamic Cavitation Reactor**
Taşdemir A., Cengiz İ., Yıldız E., Bayhan Y. K.
TMMOB-ÇMO, XIII. Ulusal- I. Uluslararası Çevre Mühendisliği Kongresi, Kocaeli, Turkey, 10 - 12 October 2019
- VI. **Investigation of the effect of particulate size and stirring rate on copper removal from aqueous solutions with thermal drying-incineration waste**
KUL S., TAŞDEMİR A., CENGİZ İ.
International Symposium on Applied Sciences and Engineering, Erzurum, Turkey, 26 - 28 November 2018, pp.88-90
- VII. **Cavitation Supported Submerged Membrane Bioreactor Application**
CENGİZ İ., YILDIZ E., TAŞDEMİR A.
II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017
- VIII. **Use of Cavitation in Gas Transfer**
TAŞDEMİR A., YILDIZ E., CENGİZ İ., BAYHAN Y. K.
II. International Conference on Advanced Engineering Technologies, 21 - 23 September 2017
- IX. **Recycle of polypropylene plastic wastes Erzurum application**
BONCUKCUOĞLU R., SÖZÜDOĞRU O., TAŞDEMİR A.
Program of the VI-International Festival of Architectural, Civil Engineering and Design School of Euroasia, 7 - 10 September 2016
- X. **RECYCLE OF POLYPROPYLENE PLASTIC WASTES Erzurum Application**
BONCUKCUOĞLU R., SÖZÜDOĞRU O., TAŞDEMİR A.
PROGRAM OF THE VI-INTERNATIONAL FESTIVAL OF ARCHITECTURAL, CIVIL ENGINEERING AND DESIGN SCHOOL OF EURASIA, 7 October - 10 September 2016
- XI. **The investigation of some of the operation parameters for removal of color from olive mill wastewater by electro oxidation process**
Kul S., Boncukcuoğlu R., Yılmaz A. E., Fil B. A., Taşdemir A.
2nd International Conference on Sustainable Agriculture and Environment (2nd ICSAE), Konya, Turkey, 30 September - 03 October 2015, pp.522-525
- XII. **The effect of stirring rate support electrolyte type and temperature on color removal from olive mill wastewater**
Kul S., Boncukcuoğlu R., Fil B. A., Yılmaz A. E., Taşdemir A.
2nd International Conference on Sustainable Agriculture and Environment (2nd ICSAE), Konya, Turkey, 30 September - 03 October 2015, pp.526-531

Supported Projects

BAYHAN Y. K., TAŞDEMİR A., Project Supported by Higher Education Institutions, Kesimhane Atıksuyunun Hidrodinamik Kavıtasyon Destekli MBR ile Arıtımının İncelenmesi ve Membran Kirliliğinin Kontrolü, 2020 - 2024

Taşdemir A., Cengiz İ., Kul S., Project Supported by Higher Education Institutions, Hidrodinamik kavıtasyon reaktörü ile hiç hava verilmeden amonyak sıyırma performansının incelenmesi, 2021 - 2023

YILDIZ E., TAŞDEMİR A., CENGİZ İ., Project Supported by Higher Education Institutions, KAVİTASYON REAKTÖR İLE AMONYAĞIN SIYIRILMASI, 2016 - 2017

Yıldız E., Bayhan Y. K., TUBITAK Project, Düşük Şiddetli Evsel Atıksuların Klasik, Hareketli ve Sabit Yataklı Hibrit MBR'lerde Yüksek Hızda Sulama Suyu Amaçlı Arıtımı - (Bursiyer), 2015 - 2017

Taşdemir A., Yıldız E., Project Supported by Higher Education Institutions, Yüzeysel Suların Seramik Membran Mikrofiltrasyon Yöntemiyle Arıtılması, 2015 - 2016

Metrics

Publication: 15
Citation (WoS): 15
Citation (Scopus): 20
H-Index (WoS): 1
H-Index (Scopus): 1

Representation and Promotion Activities

Institutional Promotion, Ataturk Üniversitesi, Turkey, Erzurum, 2019 - 2022