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Eğitim Bilgileri

Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri Ve Mühendisliği (Dr), Türkiye 2000 - 2006
Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri Ve Mühendisliği (Dr), Türkiye 1998 - 2000

Yabancı Diller

İngilizce

Almanca

Yaptığı Tezler

Doktora, Biyolojik arıtılabilirlik bazlı atık su karakterizasyonu ve atık aktif çamur üzerinde ozonlamanın etkisi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri Ve Mühendisliği (Dr), 2006
Yüksek Lisans, Bir pamuklu son işlemleri endüstrisinde ozonlamanın KOİ bileşenleri üzerine etkisi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri Ve Mühendisliği (Dr), 2000

Araştırma Alanları

Teknik Bilimler, Çevre Mühendisliği, Çevre Bilimleri, Çevre Kimyası

Akademik Unvanlar / Görevler

Doç.Dr., İstanbul Teknik Üniversitesi, İnşaat, Çevre Mühendisliği, 2014 - Devam Ediyor
Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, İnşaat, Çevre Mühendisliği, 2009 - 2014
Araştırma Görevlisi, İstanbul Teknik Üniversitesi, İnşaat, Çevre Mühendisliği, 1999 - 2009

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Co-metabolism of olive mill wastewater in sequencing batch reactor under aerobic conditions after Fenton-based oxidation**
ÇİĞGIN A. S., Iravanian A., Doğruel S., Orhon D.
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- II. **Impact of ultrasonic pretreatment on Fenton-based oxidation of olive mill wastewater-towards a sustainable treatment scheme**
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- III. **Particle size distribution of chemical oxygen demand in industrial effluents: impact on effective filtration size and modelling of membrane bioreactors**
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- VI. **Ozonation in advanced treatment of secondary municipal wastewater effluents for the removal of micropollutants**
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- IX. **Kinetic characterization of acetate utilization and response of microbial population in super fast membrane bioreactor**
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- XVII. **Effect of chemical and biological treatment on COD fingerprints of textile wastewaters**
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- XIX. **An investigation on the optimal location of ozonation within biological treatment for a tannery wastewater**
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- XX. **Evaluation of coagulation-flocculation on a COD-based molecular size distribution for a textile finishing mill effluent**
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- XXI. **Coagulation-flocculation of wastewaters from a water-based paint and allied products industry and its effect on inert COD**
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- XXX. **Biodegradability improvement of penicillin formulation effluent by ozonation**
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- XXXI. **Advanced oxidative treatment of dyehouse effluents using Fenton's reagent, O₃ and O₃H₂O₂ processes**
UNER H., Dogruel S., Alaton I., Babuna F. F.
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.13, sa.10, ss.959-964, 2004 (SCI-Expanded)
- XXXII. **Wastewater reuse for the minimization of fresh water demand in coastal areas - Selected cases from the textile finishing industry**
ORHON D., Kabdasli I., Babuna F. F., Sozen S., DULKADIROGLU H., Dogruel S., Gul Ö., Insel G.
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- XXXIV. **Assessment of source based nitrogen removal alternatives in leather tanning industry wastewater**
ZENGİN BALCI G. E., ÖLMEZ HANCI T., DOĞRUEL S., KABDAŞLI N. I., Tünay O.
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- XXXV. **In-plant control applications and their effect on treatability of a textile mill wastewater**
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- XXXVIII. **A scientific approach to wastewater recovery and reuse in the textile industry**
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Diğer Dergilerde Yayınlanan Makaleler

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- II. **İleri biyolojik atıksu arıtma tesislerinde model bazlı proses optimizasyonu**
Sözen S., ORHON D., COKGOR E. U., INSEL G., KARAHAN O., Yağcı N., DOGRUEL S., EMEL ZENGİN BALCI G., Ölmez Hancı T., Okutman Taş D., et al.
itüdergisi/e, cilt.19, ss.101-110, 2009 (Hakemli Dergi)

Desteklenen Projeler

Doğruel S., Yükseköğretim Kurumları Destekli Proje, Atık Çamurun Ozon Oksidasyonu ve Fenton Prosesi İle Dezentegrasyonu, 2013 - 2018

Doğruel S., Yükseköğretim Kurumları Destekli Proje, Dezenentegrasyonun Atık Aktif Çamurun Fizikokimyasal Özellikleri ve Biyolojik Ayrışabilirliği Üzerindeki Etkisinin İncelenmesi, 2014 - 2017

Metrikler

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