

Arş. Gör. Dr. Öznur YILDIRIM İLTER

Kişisel Bilgiler

İş Telefonu: [+90 212 383 5374](tel:+902123835374)

E-posta: yldrmozn@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/yldrmozn>

Uluslararası Araştırmacı ID'leri

ScholarID: [YewpDwoAAAAJ](https://scholar.google.com/citations?user=YewpDwoAAAAJ)

ORCID: [0000-0001-5807-5169](https://orcid.org/0000-0001-5807-5169)

ScopusID: [57219850233](https://scopus.com/authid/detail.url?authorID=57219850233)

Yoksis Araştırmacı ID: [293389](https://yoksis.gov.tr/yoksis/arastrmaci/293389)

Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Müh.Bölümü, Türkiye 2020 - 2023

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Çevre Bilimleri Mühendisliği Ve Yönetimi Programı, Türkiye 2017 - 2020

Lisans, İstanbul Teknik Üniversitesi, İnşaat Fakültesi, Çevre Mühendisliği, Türkiye 2012 - 2017

Araştırma Alanları

Çevre Teknolojisi, Yenilenebilir Enerji, Biyoteknolojik Prosesler ve Fermentasyon Teknolojisi

Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, İnşaat Fakültesi, Çevre Müh.Bölümü, 2018 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Enhancing fermentation yield for biohydrogen production using eco-friendly nickel and cobalt ferrite nanoparticles**
YILDIRIM Ö., ÖZKAYA B.
Biomass Conversion and Biorefinery, 2024 (SCI-Expanded)
- Prediction of biogas production of industrial scale anaerobic digestion plant by machine learning algorithms**
YILDIRIM Ö., ÖZKAYA B.
Chemosphere, cilt.335, 2023 (SCI-Expanded)
- Optimization of enzymatic hydrolysis conditions of chemical pretreated cotton stalk using response surface methodology for enhanced bioethanol production yield**
Yıldırım Ö., Tunay D., Özkaya B.
BIOMASS CONVERSION AND BIOREFINERY, cilt.13, sa.8, ss.6623-6634, 2023 (SCI-Expanded)
- Effect of nanoparticles synthesized from green extracts on dark fermentative biohydrogen production**
YILDIRIM Ö., ÖZKAYA B.

Biomass and Bioenergy, cilt.170, 2023 (SCI-Expanded)

- V. **Energy-efficient biogas production from co-digestion of food waste and sewage sludge via kinetic modeling and exergy analyses**
TUNAY D., YILDIRIM Ö., ÖZKAYA B.
Environment, Development and Sustainability, 2023 (SCI-Expanded)
- VI. **Assessment of biomethane potential of cotton stalk using response surface methodology**
YILDIRIM Ö., Altınbaş M., ÖZKAYA B.
International Journal of Global Warming, cilt.31, sa.1, ss.14-29, 2023 (SCI-Expanded)
- VII. **Effect of organic fraction of municipal solid waste addition to high rate activated sludge system for hydrogen production from carbon rich waste sludge**
TUNAY D., YILDIRIM Ö., ÖZKAYA B., DEMİR A.
International Journal of Hydrogen Energy, cilt.47, sa.62, ss.26284-26293, 2022 (SCI-Expanded)
- VIII. **Optimization of oxalic and sulphuric acid pretreatment conditions to produce bio-hydrogen from olive tree biomass**
YILDIRIM Ö., TUNAY D., ÖZKAYA B., DEMİR A.
International Journal of Hydrogen Energy, cilt.47, sa.62, ss.26316-26325, 2022 (SCI-Expanded)
- IX. **Effect of Green synthesized silver oxide nanoparticle on biological hydrogen production**
YILDIRIM Ö., TUNAY D., ÖZKAYA B., DEMİR A.
International Journal of Hydrogen Energy, cilt.47, ss.19517-19525, 2022 (SCI-Expanded)
- X. **Evaluation of the biogas potential of mucilage formed in the Marmara Sea**
YILDIRIM Ö., ÖZKAYA B., DEMİR A.
International Journal of Hydrogen Energy, cilt.47, ss.15456-15463, 2022 (SCI-Expanded)
- XI. **Determination of photoautotrophic growth and inhibition kinetics by the Monod and the Aiba models and bioenergetics of local microalgae strain**
TUNAY D., YILDIRIM Ö., ÖZKAYA B., DEMİR A.
Chemosphere, cilt.292, 2022 (SCI-Expanded)
- XII. **Reuse of sea water reverse osmosis brine to produce Dunaliella salina based 0-carotene as a valuable bioproduct: A circular bioeconomy perspective**
Yıldırım Ö., Tunay D., Özkaya B.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.302, 2022 (SCI-Expanded)
- XIII. **Statistical optimization of dilute acid pretreatment of lignocellulosic biomass by response surface methodology to obtain fermentable sugars for bioethanol production**
YILDIRIM Ö., ÖZKAYA B., Altınbaş M., DEMİR A.
International Journal of Energy Research, cilt.45, ss.8882-8899, 2021 (SCI-Expanded)
- XIV. **Recent advances in the pretreatment of lignocellulosic biomass for enhanced biofuel production**
YILDIRIM Ö., SONGÜR R., BAYRAKTAR E., DEMİR A., ÖZKAYA B.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, cilt.22, sa.3, ss.342-374, 2020 (SCI-Expanded)

Kitap & Kitap Bölümleri

- I. **SUSTAINABLE ETHANOL PRODUCTION FROM LIGNOCELLULOSIC BIOMASS: A WATER FOOTPRINT ANALYSIS OVER PRE-TREATMENT TECHNOLOGIES**
Yildirim Ö., Tunay D., Özkaya B., Demir A.
Bioethanol Biochemistry and Biotechnological Advances, Ayerim Y.Hernandez Almanza,Nagamani Balagurusamy,Hector A.Ruiz,Cristobal N.Aguilar, Editör, Apple Academic Press, Burlington, ss.401-419, 2022

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Comparison of Thermal and Biological Hydrogen Production Systems from Municipal Solid Waste in**

terms of Energy Productivity and Carbon Release

Tunay D., Yıldırım Ö., Özkaya B., Demir A.

6th International TECHNOLOGIES HYDROGEN Congress, Çanakkale, Türkiye, 23 - 26 Ocak 2022, ss.363-364

II. Effect of Nickel Ferrite and Cobalt Ferrite Nanoparticles on Dark Fermentation

Yıldırım Ö., Özkaya B., Demir A.

5th International Hydrogen Technologies Congress (IHTEC-2022), 23 - 26 Ocak 2022, ss.336-338

III. Effect of Green Synthesized Silver Oxide Nanoparticles on Biological Hydrogen Production

Yıldırım Ö., Tunay D., Özkaya B., Demir A.

International Hydrogen Technologies Congress (5th IHTEC), 26 - 28 Mayıs 2021, ss.52-54

IV. Optimization of Pretreatment of Olive Tree Biomass using Response Surface Methodology for Biological Hydrogen Production

Yıldırım Ö., Tunay D., Özkaya B., Demir A.

International Hydrogen Technologies Congress (5th IHTEC), 26 - 28 Mayıs 2021, ss.255-256

V. Effect of Organic Fraction of Municipal Solid Waste Addition to High Rate Activated Sludge System for Hydrogen Production from Carbon Rich Waste Sludge

Tunay D., Yıldırım Ö., Özkaya B., Demir A.

5th International Hydrogen Technologies, Niğde, Türkiye, 26 - 28 Mayıs 2021, ss.232-233

VI. Enhanced Bioethanol Production from Olive Tree Biomass with Different Pretreatment Methods

Yıldırım Ö., Tunay D., Özkaya B., Demir A.

3rd Bioenergy Studies Symposium, 20 - 21 Mayıs 2021, ss.18

VII. Application of Thermal Conversion Process to Major Solid and Wet Wastes of Istanbul City

Çallıalp F., Teymur S., Bostan D., Yıldırım Ö., Tunay D., Civelek Yörüklü H., Özkaya B.

WESCE 2019, İstanbul, Türkiye, 26 - 28 Ağustos 2019

VIII. Determination of hydrogen and methane production from biological sludge based on energy equivalence and environmental impacts

TUNAY D., YILDIRIM Ö., KÖROĞLU E. O., ÖZKAYA B.

4. International Hydrogen Technologies Congress-IHTEC 2019, 20 - 23 Haziran 2019, sa.309

IX. Feasibility of Biological Hydrogen and Alcohol Production from Sunflower Straw

Yıldırım Ö., Civelek Yörüklü H., Tunay D., Köroğlu E. O., Özkaya B., Demir A.

International Hydrogen Technologies Congress, Edirne, Türkiye, 20 - 23 Haziran 2019, sa.315, ss.109

Desteklenen Projeler

DEMİR A., KÖROĞLU E. O., CİVELEK YÖRÜKLÜ H., ÖZKAYA B., YILDIRIM Ö., BAYRAKTAR E., SONGÜR R., Yükseköğretim Kurumları Destekli Proje, Lignoselülozik Atıklardan ABE Fermantasyonu ile Etanol ve Bütanol Üretimi, 2019 - 2021
Altınbaş M., Koyuncu İ., TÜBİTAK Projesi, Kanal Tipi Membran Fotobiyoreaktör Sistemi İle Anaerobik Çürütücü Çıkış Suyunda Mikroalg Üretimi, 2016 - 2018

Metrikler

Yayın: 24

Atf (WoS): 16

Atf (Scopus): 152

H-İndeks (WoS): 2

H-İndeks (Scopus): 8