

## Arş.Gör. Merve ÖZTÜRK

### Kişisel Bilgiler

E-posta: merveoz@yildiz.edu.tr

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

### Uluslararası Araştırmacı ID'leri

ScholarID: JmOWoCkAAAAJ

ORCID: 0000-0002-4414-0916

Publons / Web Of Science ResearcherID: C-4590-2019

ScopusID: 56046955000

Yoksis Araştırmacı ID: 265215

### Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 2017 - Devam Ediyor

Yüksek Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 2014 - 2017

Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 2011 - 2014

Lisans, Uludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, Türkiye 2009 - 2011

### Araştırma Alanları

Makina Mühendisliği, Enerji, Akışkanlar Mekaniği , Termodinamik, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Müh.Bölümü, 2017 - Devam Ediyor

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **System development and assessment for green hydrogen generation and blending with natural gas**  
Ozturk M., Dincer I.  
ENERGY, cilt.261, ss.125233, 2022 (Hakemli Dergi)
- II. **Utilization of waste heat from cement plant to generate hydrogen and blend it with natural gas**  
ÖZTÜRK M., DİNCER İ.  
International Journal of Hydrogen Energy, cilt.47, ss.20695-20704, 2022 (SCI İndekslerine Giren Dergi)
- III. **A comprehensive review on power-to-gas with hydrogen options for cleaner applications**  
ÖZTÜRK M., DİNCER İ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.62, ss.31511-31522, 2021 (Hakemli Dergi)
- IV. **Investigation of Hydrogen and Methane Production from Flue Gas Released from the Steel Industry**  
ÖZTÜRK M., Dincer İ.  
ENERGY & FUELS, cilt.35, sa.15, ss.12718-12724, 2021 (SCI İndekslerine Giren Dergi)
- V. **Effective use of hydrogen sulfide and natural gas resources available in the Black Sea for hydrogen economy**  
ÖZTÜRK M., MİDİLLİ A., DİNCER İ.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.46, sa.18, ss.10697-10707, 2021 (Hakemli Dergi)
- VI. **An integrated system for clean hydrogen production from municipal solid wastes**  
ÖZTÜRK M., DİNCER İ.  
International Journal of Hydrogen Energy, cilt.46, ss.6251-6261, 2021 (Hakemli Dergi)
- VII. **Development of a combined flash and binary geothermal system integrated with hydrogen production for blending into natural gas in daily applications**  
ÖZTÜRK M., DİNCER İ.  
Energy Conversion and Management, cilt.227, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **An integrated system for ammonia production from renewable hydrogen: A case study**  
ÖZTÜRK M., DİNCER İ.  
International Journal of Hydrogen Energy, cilt.46, ss.5918-5925, 2021 (Hakemli Dergi)
- IX. **Development of renewable energy system integrated with hydrogen and natural gas subsystems for cleaner combustion**  
ÖZTÜRK M., DİNCER İ.  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, cilt.83, 2020 (Hakemli Dergi)
- X. **Life cycle assessment of hydrogen-based electricity generation in place of conventional fuels for residential buildings**  
ÖZTÜRK M., DİNCER İ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.50, ss.26536-26544, 2020 (Hakemli Dergi)
- XI. **An efficient waste management system with municipal solid waste incineration plant**  
ÖZTÜRK M., Dincer İ.  
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, cilt.10, sa.4, ss.855-864, 2020 (SCI İndekslerine Giren Dergi)
- XII. **Thermodynamic modeling of a solar energy based combined cycle with rock bed heat storage system**  
ÖZTÜRK M., DİNCER İ., JAVANI N.  
Solar Energy, cilt.200, ss.51-60, 2020 (Hakemli Dergi)
- XIII. **Exergoeconomic analysis of a solar assisted tea drying system**  
ÖZTÜRK M., DİNCER İ.  
Drying Technology, cilt.38, ss.655-662, 2020 (Hakemli Dergi)
- XIV. **Comparative environmental impact assessment of various fuels and solar heat for a combined cycle**  
ÖZTÜRK M., DİNCER İ.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.10, ss.5043-5053, 2019 (Hakemli Dergi)
- XV. **Exergy analysis of tea drying in a continuous vibro-fluidised bed dryer**  
ÖZTÜRK M., DİNCER İ.  
INTERNATIONAL JOURNAL OF EXERGY, cilt.30, sa.4, ss.376-391, 2019 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Investigation of The Effect of Radiant Panel Positions and Water Temperature on Thermal Comfort**  
Oruç O., Öztürk M.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.25, sa.1, ss.177-187, 2022 (Hakemli Üniversite Dergisi)
- II. **Hidrojen ve Doğal Gaz Karışımının Eysel Cihazlarda Kullanımının Deneysel ve Teorik Olarak İncelenmesi**  
Sorgulu F., Öztürk M., Javani N., Dinçer İ.  
Cihannüma Teknoloji Fen ve Mühendislik Bilimleri Akademi Dergisi, cilt.1, ss.23-38, 2022 (Diğer Kurumların Hakemli Dergileri)
- III. **Investigation of Coolant Temperature Effect on Thermal Comfort in Wall Mounted Radiant Cooling Systems**  
ÖZTÜRK M., Oruç O.  
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.22, sa.2, ss.461-468, 2019 (ESCI İndekslerine Giren Dergi)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **An Application and Evaluation of Blending Biogas and Hydrogen into the Natural Gas for Combustion Applications**  
Öztürk M., Dincer I.  
23rd World Hydrogen Energy Conference (WHEC-2022), İstanbul, Türkiye, 26 - 30 Haziran 2022, ss.1035-1037
- II. **Blending Renewable Hydrogen with Black Sea Natural Gas: A Case Study**  
Öztürk M., Dincer İ.  
13th International Exergy, Energy and Environment Symposium (IEEES-13), Makkah, Suudi Arabistan, 14 - 17 Mart 2022, ss.95
- III. **Utilization of Waste Heat from Cement Plant to Produce Hydrogen and Blend it with Natural Gas**  
Öztürk M., Dincer İ.  
The Sixth International Hydrogen Technologies Congress (IHTEC-2022), Çanakkale, Türkiye, 23 - 26 Ocak 2022, ss.52-54
- IV. **Analysis of an Integrated System for Ammonia Production from Renewable Hydrogen in Istanbul**  
Öztürk M., Dincer İ.  
4th International Hydrogen Technologies Congress, Edirne, Türkiye, 20 - 23 Haziran 2019, ss.1-4
- V. **ANALYSIS OF HYDROGEN PRODUCTION FROM MUNICIPAL SOLID WASTE GASIFICATION**  
ÖZTÜRK M., DİNCER İ.  
10th International Conference on Hydrogen Production (ICH2P-2019), 15 - 17 Mayıs 2019
- VI. **ANALYSIS OF WASTE MANAGEMENT WITH MUNICIPAL SOLID WASTE INCINERATION PLANT**  
ÖZTÜRK M., DİNCER İ.  
8th Global Conference on Global Warming (GCGW-2019), 22 - 25 Nisan 2019
- VII. **Life Cycle Assessment of Hydrogen-based Electricity Generation in place of Conventional Fuels for Residential Buildings**  
ÖZTÜRK M., DİNCER İ.  
4th International Conference on Recycling and Reuse, 24 - 26 Ekim 2018
- VIII. **Energy and Exergy Analysis of the Three-Stage Tea Drying Process**  
ÖZTÜRK M., DİNCER İ.  
10th International Exergy, Energy and Environment Symposium (IEEES-10), Katowice, Polonya, 01 Temmuz 2018
- IX. **COMPARATIVE EVALUATION OF EMISSIONS ARISING FROM THE USE OF VARIOUS FUELS IN A COMBINED CYCLE**  
ÖZTÜRK M., DİNCER İ.  
7th GLOBAL CONFERENCE on GLOBAL WARMING, 24 - 28 Haziran 2018
- X. **Thermodynamic Modeling of a Solar Based Combined Cycle with Rock Bed Heat Storage System**  
ÖZTÜRK M., DİNCER İ., JAVANI N.  
14. International Conference on Energy Storage, 25 - 28 Nisan 2018
- XI. **REVIEW OF LITERATURE STUDY FOR LOUVERED FIN HEAT EXCHANGERS**  
ÖZTÜRK M., PINARBAŞI A.  
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, 25 Nisan - 28 Aralık 2017, ss.871-886
- XII. **Fundamental basis and application of cold-room project design: A case study of frigoship**  
ÖZTÜRK M., GOKTEPE E., Celen A., Çebi A., DALKILIÇ A. S., WONGWISES S.  
ASME 2013 Heat Transfer Summer Conference, HT 2013 Collocated with the ASME 2013 7th International Conference on Energy Sustainability and the ASME 2013 11th International Conference on Fuel Cell Science, Engineering and Technology, Minneapolis, MN, Amerika Birleşik Devletleri, 14 - 19 Temmuz 2013, cilt.1

## Desteklenen Projeler

DİNCER İ., JAVANI N., SORGULU F., ÖZTÜRK M., Yükseköğretim Kurumları Destekli Proje, Doğal gazın hidrojen ilavesiyle ocaklardaki yanma performansının deneysel incelenmesi, 2022 - Devam Ediyor

DİNCER İ., JAVANI N., ÖZTÜRK M., SORGULU F., Yükseköğretim Kurumları Destekli Proje, Farklı geometrilere sahip ocak başlıklarının doğal gaz hidrojen karışımının yanma performansına etkisi, 2022 - Devam Ediyor  
Dincer İ., Javanı N., Sorgulu F., Öztürk M., Enerji ve Tabii Kaynaklar Bakanlığı, Yenilenebilir Gaz Üretimi, 2020 - 2022

## **Metrikler**

Yayın: 30

Atıf (WoS): 140

Atıf (Scopus): 194

H-İndeks (WoS): 8

H-İndeks (Scopus): 8