

## Doç. Dr. Yasin KARAGÖZ

### Kişisel Bilgiler

E-posta: yasin.karagoz@yildiz.edu.tr

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

### Eğitim Bilgileri

Doktora, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği/Enerji, Türkiye 2012 - 2017

Yüksek Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği/Enerji, Türkiye 2010 - 2012

Lisans, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, Türkiye 2005 - 2009

### Araştırma Alanları

Makina Mühendisliği, Makina Teorisi ve Dinamiği, Taşıt Sistemleri Dinamiği, Termodinamik, Yakıtlar ve Yanma, İçten Yanmalı Motorlar, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Araştırma Görevlisi, Yıldız Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği, 2011 - Devam Ediyor

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

- I. **The Effect of Converting a Conventional Tractor into a Hybrid Drive Tractor Using the ECMS Method on Fuel Consumption and Emissions**  
Ozturk M., SANDALCI T., Buyuk C., Guclu M., Karagoz Y.  
International Journal of Energy Research, cilt.2024, 2024 (SCI-Expanded)
- II. **Performance analysis of a hybrid lightweight vehicle with downsized engine**  
Karagöz Y., Balcı Ö., Gezer O., Kale S., Köten H.  
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, cilt.42, ss.1513-1525, 2020 (SCI-Expanded)
- III. **Investigation of hydrogen usage on combustion characteristics and emissions of a spark ignition engine**  
Karagöz Y., Balcı Ö., Köten H.  
International Journal of Hydrogen Energy, cilt.44, ss.14243-14256, 2019 (SCI-Expanded)
- IV. **Effect of hythane enrichment on performance, emission and combustion characteristics of an ci engine**  
SANDALCI T., IŞIN Ö., Galata S., Karagoz Y., GULER I.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.44, sa.5, ss.3208-3220, 2019 (SCI-Expanded)
- V. **Electronic control unit development and emissions evaluation for hydrogen diesel dual-fuel engines**  
Karagoz Y., Sadeghi M. M.  
ADVANCES IN MECHANICAL ENGINEERING, cilt.10, sa.12, 2018 (SCI-Expanded)
- VI. **Effect of hydrogen addition using on-board alkaline electrolyser on SI engine emissions and combustion**

Karagoz Y., Balcı O., Orak E., Habib M. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.43, ss.11275-11285, 2018 (SCI-Expanded)

- VII. **Effect of hydrogen-diesel dual-fuel usage on performance, emissions and diesel combustion in diesel engines**

Karagoz Y., Sandalcı T., Yüksek L., Dalkılıç A. S., Wongwises S.

ADVANCES IN MECHANICAL ENGINEERING, cilt.8, sa.8, 2016 (SCI-Expanded)

- VIII. **Effect of the use of natural gas diesel fuel mixture on performance emissions and combustion characteristics of a compression ignition engine**

KARAGÖZ Y., SANDALCI T., KÖYLÜ Ü., DALKILIÇ A. S., WONGWİSES S.

ADVANCES IN MECHANICAL ENGINEERING, cilt.8, ss.1-13, 2016 (SCI-Expanded)

- IX. **Effects of hydrogen and methane addition on combustion characteristics, emissions, and performance of a CI engine**

Karagoz Y., Guler I., Sandalcı T., Yüksek L., Dalkılıç A. S., Wongwises S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.2, ss.1313-1325, 2016 (SCI-Expanded)

- X. **Effect of hydrogen enrichment on combustion characteristics, emissions and performance of a diesel engine**

Karagoz Y., Güler I., Sandalcı T., Yüksek L., Dalkılıç A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.41, sa.1, ss.656-665, 2016 (SCI-Expanded)

- XI. **Effects of hydrogen and oxygen enrichment on performance and emissions of an SI engine under idle operating condition**

Karagoz Y., SANDALCI T., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.28, ss.8607-8619, 2015 (SCI-Expanded)

- XII. **Effect of hydrogen and oxygen addition as a mixture on emissions and performance characteristics of a gasoline engine**

KARAGÖZ Y., YUCA N., SANDALCI T., DALKILIÇ A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.28, ss.8750-8760, 2015 (SCI-Expanded)

- XIII. **Engine performance and emission effects of diesel burns enriched by hydrogen on different engine loads**

Karagoz Y., Sandalcı T., Yüksek L., Dalkılıç A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.20, ss.6702-6713, 2015 (SCI-Expanded)

- XIV. **KISMİ YÜK ŞARTLARINDA HİDROJENCE ZENGİNLEŞTİRİLMİŞ DIESEL YANMASININ MOTOR PERFORMANSI VE EMİSYONLAR ÜZERİNDEKİ ETKİSİ**

Sandalcı T., Karagöz Y.

Isi Bilimi Ve Teknigi Dergisi-Journal Of Thermal Science And Technology, cilt.35, ss.107-117, 2015 (SCI-Expanded)

- XV. **EFFECT OF HYDROGEN ADDITION ON EXHAUST EMISSIONS AND PERFORMANCE OF A SPARK IGNITION ENGINE**

Karagoz Y., Orak E., Yüksek L., Sandalcı T.

ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, cilt.14, sa.3, ss.665-672, 2015 (SCI-Expanded)

- XVI. **An experimental investigation on the performance characteristics of a hydroxygen enriched gasoline engine with water injection**

Karagoz Y., Yüksek L., Sandalcı T., Dalkılıç A. S.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.40, sa.1, ss.692-702, 2015 (SCI-Expanded)

- XVII. **EFFECT OF HYDROGEN ENRICHED DIESEL COMBUSTION ON EMISSIONS AND ENGINE PERFORMANCE AT PARTIAL LOAD CONDITIONS**

SANDALCI T., Karagoz Y.

ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.35, sa.2, ss.107-117, 2015 (SCI-Expanded)

- XVIII. **Experimental investigation of the combustion characteristics, emissions and performance of hydrogen port fuel injection in a diesel engine**

SANDALCI T., Karagoz Y.

INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.39, sa.32, ss.18480-18489, 2014 (SCI-Expanded)

- XIX. **An Experimental Investigation of Ethanol-Diesel Blends on Performance and Exhaust Emissions of Diesel Engines**  
Sandalcı T., Karagoz Y., Orak E., Yüksek L.  
ADVANCES IN MECHANICAL ENGINEERING, 2014 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **EFFECT OF DIFFERENT LEVELS OF HYDROGEN**  
KARAGÖZ Y., KÖTEN H.  
JOURNAL OF THERMAL ENGINEERING, cilt.5, sa.2, ss.58-69, 2019 (ESCI)
- II. **EFFECT OF HYDROGEN ADDITION AT DIFFERENT LEVELS ON EMISSIONS AND PERFORMANCE OF A DIESEL ENGINE**  
Karagoz Y.  
JOURNAL OF THERMAL ENGINEERING, cilt.4, sa.2, ss.1780-1790, 2018 (ESCI)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **EFFECT OF VARIOUS LEVELS OF HYDROGEN ADDITION ON CI ENGINE PERFORMANCE AND COMBUSTION CHARACTERISTICS**  
KARAGÖZ Y.  
ICAME 2018 (4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21 DECEMBER 2018), İstanbul, Türkiye, 19 Aralık 2018, cilt.1, sa.1, ss.1254-1280
- II. **Investigation of Hydrogen Usage on Combustion Characteristics and Emissions of A Spark Ignition Engine**  
KARAGÖZ Y., BALCI Ö., KÖTEN H.  
ECRES 2018 (THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS Istanbul/Turkey 25-27 June 2018), İstanbul, Türkiye, 25 Haziran 2018, ss.662-673
- III. **Effect of Different Levels of Ethanol Addition on Performance, Emission and Combustion Characteristics of A Gasoline Engine**  
KÖTEN H., KARAGÖZ Y., BALCI Ö.  
ECRES 2018 (THE 6TH EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS Istanbul/Turkey 25-27 June 2018), İstanbul, Türkiye, 25 Haziran 2018, ss.674-685
- IV. **EMISSIONS AND PERFORMANCE CHARACTERISTICS OF AN SI ENGINE WITH BIOGAS FUEL AT DIFFERENT CO2 RATIOS**  
KARAGÖZ Y., KALE S.  
ICPAT 2018 (PROCEEDINGS BOOK OF INTERNATIONAL CONFERENCE ON PROGRESSES IN AUTOMOTIVE TECHNOLOGIES 2018), İstanbul, Türkiye, 10 Mayıs 2018, ss.93-105
- V. **EFFECT OF DIFFERENT LEVELS OF HYDROGEN LPG ADDITION ON EMISSIONS AND PERFORMANCE OF A COMPRESSION IGNITION ENGINE**  
KARAGÖZ Y., KÖTEN H.  
ICPAT 2018 (PROCEEDINGS BOOK OF INTERNATIONAL CONFERENCE ON PROGRESSES IN AUTOMOTIVE TECHNOLOGIES 2018), İstanbul, Türkiye, 10 Mayıs 2018, ss.106-115
- VI. **EFFECT OF DIFFERENT HYDROGEN ADDITION ON PERFORMANCE, EMISSIONS AND COMBUSTION**  
KARAGÖZ Y.  
3rd CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017 ICAME2017, 19 - 21 Aralık 2017
- VII. **EFFECT OF USING ETHANOL-DIESEL MIXTURE ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE**  
KARAGÖZ Y., SANDALCI T.

1st INTERNATIONAL CONFERENCE ON PROGRESS IN APPLIED SCIENCE, 4 - 06 Ocak 2017

- VIII. **MODELING AND ANALYZING OF DIESEL ENGINE USING COMPUTATIONAL FLUID DYNAMICS**  
ABAY K., ÇOLAK Ü., YÜKSEK L., KARAGÖZ Y.  
1th INTERNATIONAL CONFERENCE ON ADVANCES IN AUTOMOTIVE TECHNOLOGIES, İstanbul, Türkiye, 11 - 14 Ekim 2016, cilt.1, ss.300-313
- IX. **An experimental investigation on the use of natural gas diesel fuel mixture on performance and emissions of a CI engine**  
Karagöz Y., Sandalcı T., Işın Ö., Dalkılıç A. S.  
International Conference on Mechanical and Production Engineering, Bangkok, Tayland, 13 - 14 Temmuz 2016, ss.1-15
- X. **EXPERIMENTAL INVESTIGATION OF HYDROGEN ENRICHED CHARGE WITH DIESEL IGNITION ON ENGINE PERFORMANCE AND CO EMISSION**  
KARAGÖZ Y.  
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Türkiye, 11 - 13 Mayıs 2016, cilt.1, ss.891-896
- XI. **EFFECT OF HYDROGEN ENRICHMENT ON PERFORMANCE AND EMISSIONS OF A DIESEL ENGINE AT DIFFERENT ENGINE LOADS**  
KARAGÖZ Y., SANDALCI T.  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, 11 - 13 Mayıs 2016
- XII. **EFFECT OF HYDROGEN AND OXYGEN ADDITION ON PERFORMANCE AND NOX EMISSIONS OF AN SI ENGINE WITH WATER INJECTION**  
KARAGÖZ Y.  
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 11 - 13 Mayıs 2016, cilt.1, ss.906-916
- XIII. **EFFECT OF DIFFERENT LEVEL HYDROGEN ADDITION ON PERFORMANCE AND EMISSIONS OF AN CI ENGINE**  
KARAGÖZ Y., SANDALCI T.  
CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2016 – ICAME2016, 11 - 13 Mayıs 2016
- XIV. **EFFECT OF USING NATURAL GAS DIESEL FUEL MIXTURES ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**  
KARAGÖZ Y., ÖZENER O., SANDALCI T.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 - ICES'xx1523-25 December 2015, Yıldız Technical University, Istanbul, Turkey, 23 - 25 Aralık 2015
- XV. **EXPERIMENTALLY DETERMINATION OF INJECTION CHARACTERISTIC OF A MECHANICAL FUEL SYSTEM EQUIPPED DIESEL ENGINE CONVERTED TO COMMON RAIL FUEL SYSTEM**  
Tunçer E., Sandalcı T., Karagöz Y., Dalkılıç A. S.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL, İstanbul, Türkiye, 23 - 25 Aralık 2015, ss.1-15
- XVI. **EFFECTS OF HYDROGEN ENRICHMENT ON PERFORMANCE AND EMISSION CHARACTERISTICS OF AN SI ENGINE AT IDLE CONDITION**  
KARAGÖZ Y.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 (ICES 2015), İstanbul, Türkiye, 23 - 25 Kasım 2015, ss.1010-1016
- XVII. **EFFECT OF FUEL TEMPERATURE ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**  
Karagöz Y., Guler İ., Duymaz G., Yüksek L., Sandalcı T., Dalkılıç A. S.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL, İstanbul, Türkiye, 23 - 25 Aralık 2015, ss.1-15
- XVIII. **EFFECT OF USING NATURAL GAS DIESEL FUEL MIXTURE ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**  
KARAGÖZ Y., ÖZENER O., SANDALCI T.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL, 23 - 25 Aralık 2015
- XIX. **EFFECT OF HYDROGEN METHANE ADDITION ON PERFORMANCE AND EMISSIONS OF A DIESEL**

## **ENGINE**

KARAGÖZ Y.

INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 (ICES 2015), İstanbul, Türkiye, 23 - 25  
Aralık 2015, ss.1002-1009

### **XX. BİODİZEL/SU EMÜLSİYONLARININ TEK SİLİNDİRLİ CFR MOTORUNUN PERFORMANS VE EMİSYONLARINA ETKİSİNİN ARAŞTIRILMASI**

ORAK E., KARAGÖZ Y., AKGÜN N., ÖZKAN M.

12. Uluslararası Yanma Sempozyumu (ICS 2012), 01 Mayıs 2012

## **Bilimsel Dergilerdeki Faaliyetler**

Journal of Thermal Engineering, Yardımcı Editör/Bölüm Editörü, 2017 - Devam Ediyor

## **Bilimsel Hakemlikler**

SİGMA, Diğer İndekslerce Taranan Dergi, Aralık 2017

FUEL, SCI Kapsamındaki Dergi, Ağustos 2017

Journal of ETA Maritime Science, Diğer İndekslerce Taranan Dergi, Ağustos 2017

Journal of Thermal Engineering, Hakemli Bilimsel Dergi, Temmuz 2017

Journal of Thermal Engineering, Diğer İndekslerce Taranan Dergi, Şubat 2016

SAE International, Diğer İndekslerce Taranan Dergi, Ocak 2016

## **Metrikler**

Yayın: 41

Atıf (WoS): 523

Atıf (Scopus): 740

H-İndeks (WoS): 13

H-İndeks (Scopus): 13