

## Doç.Dr. MURAT KADİR YEŞİLYURT

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Yozgat Bozok Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Türkiye 2013 - 2017

Yüksek Lisans, Kırıkkale Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), Türkiye 2011 - 2013

Lisans, Çukurova Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü (İngilizce), Türkiye 2007 - 2011

### Yabancı Diller

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Biyodizel-dizel yakıt karışımlarına farklı alkol ilavelerinin dizel motorlarda performans, yanma ve emisyon karakteristiklerine etkilerinin incelenmesi, Yozgat Bozok Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), 2017

Yüksek Lisans, Expanded polystyrene styrofoam (EPS) ısı yalıtım malzemelerinde gözenekliliğin ısı iletkenliğe etkisinin deneysel ve sayısal incelenmesi, Kırıkkale Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2013

### Araştırma Alanları

Makina Mühendisliği, Enerji, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Doç.Dr., Yozgat Bozok Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Devam Ediyor

### Verdiği Dersler

PİSTONLU MOTORLARDAN YANMA, Yüksek Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

YENİLENEBİLİR ENERJİ TEKNOLOJİLERİ, Yüksek Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

UZMANLIK ALAN DERSİ I, Yüksek Lisans, 2019 - 2020

YAKITLAR VE YANMA, Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

UZMANLIK ALAN DERSİ II, Yüksek Lisans, 2018 - 2019, 2019 - 2020

BİTİRME PROJESİ, Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

TEZ ÇALIŞMASI, Yüksek Lisans, 2019 - 2020

MAK. MÜH. UYG. PROJE, Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

MOTORLAR, Lisans, 2017 - 2018, 2018 - 2019, 2019 - 2020

SEMİNER, Doktora, 2018 - 2019

SEMİNER, Yüksek Lisans, 2018 - 2019

MATEMATİK-1, Lisans, 2017 - 2018

MATEMATİK-2, Lisans, 2017 - 2018

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

- I. **Effects of various long-chain alcohols as alternative fuel additives on exergy and cost in a spark-ignition engine**  
Doğan B., Yeşilyurt M. K. , Erol D., Yaman H.  
International Journal Of Exergy, ss.1-22, 2022 (SCI Expanded İndekslerine Giren Dergi)
- II. **Simultaneous optimization of multiple engine parameters of a 1-heptanol / gasoline fuel blends operated a port-fuel injection spark- ignition engine using response surface methodology approach**  
Yaman H., YEŞİLYURT M. K. , Uslu S.  
ENERGY, cilt.238, 2022 (SCI İndekslerine Giren Dergi)
- III. **Comprehensive investigation of using n-butanol/gasoline blends in a port-fuel injection spark-ignition engine**  
Yaman H., Yeşilyurt M. K.  
International Journal Of Exergy, ss.1-23, 2022 (SCI Expanded İndekslerine Giren Dergi)
- IV. **An extensive investigation of utilization of a C8 type long-chain alcohol as a sustainable next-generation biofuel and diesel fuel blends in a CI engine - The effects of alcohol infusion ratio on the performance, exhaust emissions, and combustion characteristics**  
YEŞİLYURT M. K. , Cakmak A.  
FUEL, cilt.305, 2021 (SCI İndekslerine Giren Dergi)
- V. **The influence of n-pentanol blending with gasoline on performance, combustion, and emission behaviors of an SI engine**  
Yaman H., YEŞİLYURT M. K.  
Engineering Science and Technology, an International Journal, cilt.24, ss.1329-1346, 2021 (SCI İndekslerine Giren Dergi)
- VI. **Effects of using ethyl acetate as a surprising additive in SI engine pertaining to an environmental perspective**  
YEŞİLYURT M. K. , Erol D., Yaman H., Dogan B.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 2021 (SCI İndekslerine Giren Dergi)
- VII. **Application of Higher-Order Alcohols (1-Hexanol-C6 and 1-Heptanol-C7) in a Spark-Ignition Engine: Analysis and Assessment**  
YAMAN H., DOĞAN B., Yesilyurt M. K. , EROL D.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2021 (SCI İndekslerine Giren Dergi)
- VIII. **Wastes to energy: Improving the poor properties of waste tire pyrolysis oil with waste cooking oil methyl ester and waste fusel alcohol-A detailed assessment on the combustion, emission, and performance characteristics of a CI engine**  
Agbulut U., YEŞİLYURT M. K. , SARIDEMİR S.  
ENERGY, cilt.222, 2021 (SCI İndekslerine Giren Dergi)
- IX. **Optimization of Parameters Affecting the Performance and Emissions of a Spark Ignition Engine Fueled with n-Pentanol/Gasoline Blends Using Taguchi Method**  
Uslu S., YAMAN H., Yesilyurt M. K.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2021 (SCI İndekslerine Giren Dergi)
- X. **The production of methyl ester from industrial grade hemp (Cannabis sativa L.) seed oil: a perspective of Turkey — the optimization study using the Taguchi method**

Yılbaşı Z., Yesilyurt M. K. , Arslan M.

Biomass Conversion and Biorefinery, 2021 (SCI Expanded İndekslerine Giren Dergi)

- XI. **The examination of a compression-ignition engine powered by peanut oil biodiesel and diesel fuel in terms of energetic and exergetic performance parameters**  
YEŞİLYURT M. K.  
FUEL, cilt.278, 2020 (SCI İndekslerine Giren Dergi)
- XII. **A detailed investigation on the performance, combustion, and exhaust emission characteristics of a diesel engine running on the blend of diesel fuel, biodiesel and 1-heptanol (C7 alcohol) as a next-generation higher alcohol**  
YEŞİLYURT M. K.  
FUEL, cilt.275, 2020 (SCI İndekslerine Giren Dergi)
- XIII. **Investigation on 1-heptanol as an oxygenated additive with diesel fuel for compression-ignition engine applications: An approach in terms of energy, exergy, exergoeconomic, enviroeconomic, and sustainability analyses**  
Dogan B., Cakmak A., YEŞİLYURT M. K. , EROL D.  
FUEL, cilt.275, 2020 (SCI İndekslerine Giren Dergi)
- XIV. **Investigation on the structural effects of the addition of alcohols having various chain lengths into the vegetable oil-biodiesel-diesel fuel blends: An attempt for improving the performance, combustion, and exhaust emission characteristics of a compression ignition engine**  
YEŞİLYURT M. K. , Aydın M., YILBAŞI Z., ARSLAN M.  
FUEL, cilt.269, 2020 (SCI İndekslerine Giren Dergi)
- XV. **The performance, emissions, and combustion characteristics of an unmodified diesel engine running on the ternary blends of pentanol/safflower oil biodiesel/diesel fuel**  
Yeşilyurt M. K. , Yılbaşı Z., Aydın M.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, cilt.140, sa.6, ss.2903-2942, 2020 (SCI İndekslerine Giren Dergi)
- XVI. **Biodiesel synthesis from Styra officinalis L. seed oil as a novel and potential non-edible feedstock: A parametric optimization study through the Taguchi technique**  
YEŞİLYURT M. K. , Cesur C.  
FUEL, cilt.265, 2020 (SCI İndekslerine Giren Dergi)
- XVII. **The modeling and analysis of transesterification reaction conditions in the selection of optimal biodiesel yield and viscosity**  
GÜLÜM M., YEŞİLYURT M. K. , Bilgin A.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.27, sa.10, ss.10351-10366, 2020 (SCI İndekslerine Giren Dergi)
- XVIII. **The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review**  
YEŞİLYURT M. K. , Cesur C., ASLAN V., YILBAŞI Z.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.119, 2020 (SCI İndekslerine Giren Dergi)
- XIX. **Experimental investigation on the performance, combustion and exhaust emission characteristics of a compression-ignition engine fueled with cottonseed oil biodiesel/diethyl ether/diesel fuel blends**  
YEŞİLYURT M. K. , Aydın M.  
ENERGY CONVERSION AND MANAGEMENT, cilt.205, 2020 (SCI İndekslerine Giren Dergi)
- XX. **The performance assessment of cubic spline interpolation and response surface methodology in the mathematical modeling to optimize biodiesel production from waste cooking oil**  
GÜLÜM M., YEŞİLYURT M. K. , Bilgin A.  
FUEL, cilt.255, 2019 (SCI İndekslerine Giren Dergi)
- XXI. **The effects of the fuel injection pressure on the performance and emission characteristics of a diesel engine fuelled with waste cooking oil biodiesel-diesel blends**  
YEŞİLYURT M. K.  
RENEWABLE ENERGY, cilt.132, ss.649-666, 2019 (SCI İndekslerine Giren Dergi)

- XXII. **Application of response surface methodology for the optimization of biodiesel production from yellow mustard (*Sinapis alba* L.) seed oil**  
YEŞİLYURT M. K. , Arslan M., ERYILMAZ T.  
International Journal of Green Energy, cilt.16, sa.1, ss.60-71, 2019 (SCI Expanded İndekslerine Giren Dergi)
- XXIII. **Analysis of the fuel injection pressure effects on energy and exergy efficiencies of a diesel engine operating with biodiesel**  
YEŞİLYURT M. K. , Arslan M.  
Biofuels, cilt.10, sa.5, ss.643-655, 2019 (SCI Expanded İndekslerine Giren Dergi)
- XXIV. **A comparative analysis of the engine performance, exhaust emissions and combustion behaviors of a compression ignition engine fuelled with biodiesel/diesel/1-butanol (C4 alcohol) and biodiesel/diesel/n-pentanol (C5 alcohol) fuel blends**  
YEŞİLYURT M. K. , ERYILMAZ T., ARSLAN M.  
ENERGY, cilt.165, ss.1332-1351, 2018 (SCI İndekslerine Giren Dergi)
- XXV. **EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF ETHANOL ADDITION INTO BIODIESEL-DIESEL FUEL BLENDS ON THE PERFORMANCE, COMBUSTION AND EMISSION CHARACTERISTICS**  
YEŞİLYURT M. K. , ARSLAN M., ERYILMAZ T.  
ISI BILIMI VE TEKNIGI DERGISI-JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, cilt.38, sa.2, ss.129-150, 2018 (SCI İndekslerine Giren Dergi)
- XXVI. **The evaluation of a direct injection diesel engine operating with waste cooking oil biodiesel in point of the environmental and enviroeconomic aspects**  
YEŞİLYURT M. K.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.40, sa.6, ss.654-661, 2018 (SCI İndekslerine Giren Dergi)
- XXVII. **PROCESS OPTIMIZATION FOR BIODIESEL PRODUCTION FROM NEUTRALIZED WASTE COOKING OIL AND THE EFFECT OF THIS BIODIESEL ON ENGINE PERFORMANCE**  
ERYILMAZ T., AKSOY F., AKSOY L., BAYRAKÇEKEN H., AYSAL F. E. , ŞAHİN S., YEŞİLYURT M. K.  
CT&F-CIENCIA TECNOLOGIA Y FUTURO, cilt.8, sa.1, ss.121-127, 2018 (SCI İndekslerine Giren Dergi)
- XXVIII. **Comparison of Empirical Equations and Artificial Neural Network Results in Terms of Kinematic Viscosity Prediction of Fuels Based on Hazelnut Oil Methyl Ester**  
ERYILMAZ T., ARSLAN M., YEŞİLYURT M. K. , TANER A.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, cilt.35, sa.6, ss.1827-1841, 2016 (SCI İndekslerine Giren Dergi)
- XXIX. **Influence of blending ratio on the physicochemical properties of safflower oil methyl ester-safflower oil, safflower oil methyl ester-diesel and safflower oil-diesel**  
ERYILMAZ T., YEŞİLYURT M. K.  
RENEWABLE ENERGY, cilt.95, ss.233-247, 2016 (SCI İndekslerine Giren Dergi)
- XXX. **Biodiesel production potential from oil seeds in Turkey**  
ERYILMAZ T., YEŞİLYURT M. K. , Cesur C., GÖKDOĞAN O.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.58, ss.842-851, 2016 (SCI İndekslerine Giren Dergi)
- XXXI. **Prediction of Kinematic Viscosities of Biodiesels Derived from Edible and Non-edible Vegetable Oils by Using Artificial Neural Networks**  
ERYILMAZ T., YEŞİLYURT M. K. , TANER A., Celik S. A.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.40, sa.12, ss.3745-3758, 2015 (SCI İndekslerine Giren Dergi)
- XXXII. **INVESTIGATION OF THE EFFECT OF BLENDING RATIO AND TEMPERATURE ON THE KINEMATIC VISCOSITY AND SPECIFIC GRAVITY OF WASTE COOKING OIL BIODIESEL**  
ERYILMAZ T., YEŞİLYURT M. K.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, ss.1523-1529, 2015 (SCI İndekslerine Giren Dergi)
- XXXIII. **COMPARATIVE ANALYSIS OF FUEL PROPERTIES OF BIODIESELS DERIVED FROM SUNFLOWER OIL, WASTE SUNFLOWER OIL AND NEUTRALIZED WASTE SUNFLOWER OIL**  
ERYILMAZ T., YEŞİLYURT M. K.

- FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, sa.10, ss.3197-3204, 2015 (SCI İndekslerine Giren Dergi)
- XXXIV. **PREDICTION OF DENSITY OF WASTE COOKING OIL BIODIESEL USING ARTIFICIAL NEURAL NETWORKS**  
ERYILMAZ T., YEŞİLYURT M. K. , GÖKDOĞAN O.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, ss.1862-1870, 2015 (SCI İndekslerine Giren Dergi)
- XXXV. **INVESTIGATION OF TEMPERATURE-DEPENDENT KINEMATIC VISCOSITY VARIATIONS OF NEUTRALIZED WASTE COOKING OIL BIODIESEL AND ITS BLENDS**  
ERYILMAZ T., YEŞİLYURT M. K.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.24, ss.1016-1024, 2015 (SCI İndekslerine Giren Dergi)
- XXXVI. **THERMOPHYSICAL PROPERTIES OF CASTOR OIL (RICINUS COMMUNIS L.) BIODIESEL AND ITS BLENDS**  
GÖKDOĞAN O., ERYILMAZ T., YEŞİLYURT M. K.  
CT&F-CIENCIA TECNOLOGIA Y FUTURO, cilt.6, sa.1, ss.95-128, 2015 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Improving the Running Conditions of Diesel Engine with Grape Seed Oil Additives by Response Surface Design**  
USLU S., YEŞİLYURT M. K.  
International Journal of Automotive Science And Technology, cilt.4, sa.3, ss.185-192, 2020 (Diğer Kurumların Hakemli Dergileri)
- II. **Dizel yakıtına farklı ağır alkoller (1-Bütanol, 1-Pentanol ve 1-Hekzanol) ilave edilmesinin tek silindirli bir dizel motorunun performans, yanma ve egzoz emisyon karakteristiklerine etkileri**  
YEŞİLYURT M. K.  
Uluslararası Mühendislik Arastırma ve Geliştirme Dergisi, cilt.12, sa.2, ss.397-426, 2020 (Diğer Kurumların Hakemli Dergileri)
- III. **A Study Toward Analyzing the Energy, Exergy and Sustainability Index Based on Performance and Exhaust Emission Characteristics of a Spark-Ignition Engine Fuelled with the Binary Blends of Gasoline and Methanol or Ethanol**  
DOĞAN B., YEŞİLYURT M. K. , EROL D., ÇAKMAK A.  
Uluslararası Mühendislik Arastırma ve Geliştirme Dergisi, cilt.12, sa.2, ss.529-548, 2020 (Diğer Kurumların Hakemli Dergileri)
- IV. **An Experimental Study On The Performance And Exhaust Emission Characteristics Of A CI Engine Powered By Alcohol/Biodiesel/Diesel Fuel Blends Containing Different Types Of Alcohol (Isopropanol-C3, 1-Butanol-C4, And Isopentanol-C5)**  
YEŞİLYURT M. K.  
Hittite Journal of Science Engineering, cilt.7, sa.2, ss.135-148, 2020 (Diğer Kurumların Hakemli Dergileri)
- V. **Experimental assessment of a CI engine operating with 1-pentanol/diesel fuel blends**  
YEŞİLYURT M. K. , DOĞAN B., EROL D.  
International Journal of Automotive Science And Technology, cilt.4, sa.2, ss.70-89, 2020 (Diğer Kurumların Hakemli Dergileri)
- VI. **Determination of biogas potential from animal waste in Turkey: A case study for Yozgat province**  
ERYILMAZ T., YEŞİLYURT M. K. , GÖKDOĞAN O., YUMAK B.  
European Journal of Science and Technology, cilt.2, sa.4, ss.106-111, 2015 (Diğer Kurumların Hakemli Dergileri)
- VII. **Determination of Energy Use Efficiency of Nigella sativa L. (Black Seed) Oil Production**  
GÖKDOĞAN O., ERYILMAZ T., YEŞİLYURT M. K.  
American-Eurasian J. Agric. Environ. Sci., cilt.15, sa.1, ss.1-7, 2015 (Diğer Kurumların Hakemli Dergileri)
- VIII. **Yozgat ilinin tarımsal mekanizasyon durumunun incelenmesi**  
ERYILMAZ T., GÖKDOĞAN O., YEŞİLYURT M. K.  
Türk Tarım ve Doğa Bilimleri Dergisi, cilt.1, sa.2, ss.262-268, 2014 (Diğer Kurumların Hakemli Dergileri)

- IX. **Determination of the fuel properties of cottonseed oil methyl ester and its blends with diesel fuel**  
ERYILMAZ T., YEŞİLYURT M. K. , YUMAK H., ARSLAN M., ŞAHİN S.  
International Journal of Automotive Engineering and Technologies, cilt.3, sa.2, ss.79-90, 2014 (Diğer Kurumların Hakemli Dergileri)
- X. **The effects of biodiesel on the environment**  
SAVCI S., ERYILMAZ T., YEŞİLYURT M. K.  
Journal of Selçuk University Natural and Applied Science, ss.635-646, 2014 (Diğer Kurumların Hakemli Dergileri)
- XI. **Fuel Properties of Biodiesel Produced from Balci Variety Oil of Safflower (Carthamus tinctorious L.)**  
ERYILMAZ T., CESUR C., YEŞİLYURT M. K. , AYDIN E.  
International Journal of Automotive Engineering and Technologies, cilt.3, sa.2, ss.74-78, 2014 (Diğer Kurumların Hakemli Dergileri)
- XII. **Yozgat İli Şartlarında Yetiştirilen Aspir Carthamus tinctorius L Dinçer Çeşidinden Üretilen Biyodizelin Yakıt Özelliklerinin Belirlenmesi**  
ERYILMAZ T., YEŞİLYURT M. K. , CESUR C., YUMAK H., YURTERİ E., ÇELİK S. A. , YILDIZ A. K.  
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi (Journal of Agricultural Faculty of Gaziosmanpasa University), cilt.31, sa.1, ss.63-72, 2014 (Diğer Kurumların Hakemli Dergileri)
- XIII. **Aspir (Carthamus tinctorius L.), Remzibey-05 Tohum Yağı Metil Esteri: Potansiyel Dizel Motor Uygulamaları için Yakıt Özellikleri**  
ERYILMAZ T., CESUR C., YEŞİLYURT M. K. , AYDIN E.  
Türk Tarım ve Doğa Bilimleri Dergisi, cilt.1, sa.1, ss.85-90, 2014 (Diğer Kurumların Hakemli Dergileri)
- XIV. **Kırıkkale ilinin tarımsal mekanizasyon düzeyi**  
YEŞİLYURT M. K. , ERYILMAZ T., GÖKDOĞAN O., YUMAK B.  
Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi, cilt.10, sa.2, ss.7-13, 2013 (Diğer Kurumların Hakemli Dergileri)
- XV. **Nevşehir ilinin tarımsal mekanizasyon özellikleri**  
ERYILMAZ T., GÖKDOĞAN O., YEŞİLYURT M. K. , ERCAN K.  
Adnan Menderes Üniversitesi Ziraat Fakültesi Dergisi, cilt.10, sa.2, ss.1-6, 2013 (Diğer Kurumların Hakemli Dergileri)

## Atıflar

Toplam Atıf Sayısı (WOS):620

h-indeksi (WOS):16