

## Assoc. Prof. MURAT KADİR YEŞİLYURT

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAZ-8874-2020

ScopusID: 56662071000

Yoksis Researcher ID: 26303

### Education Information

Doctorate, Yozgat Bozok University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (Dr), Turkey 2013 - 2017

Postgraduate, Kirikkale University, Institute Of Science, Makine Mühendisliği (YI) (Tezli), Turkey 2011 - 2013

Undergraduate, Cukurova University, Mühendislik Fakültesi, Makina Müh., Turkey 2007 - 2011

### Dissertations

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

Postgraduate, Expanded polystyrene styrofoam (EPS) ısı yalıtım malzemelerinde gözenekliliğin ısı iletkenliğe etkisinin deneysel ve sayısal incelenmesi, Kirikkale University, Fen Bilimleri Enstitüsü, Makine Mühendisliği (YI) (Tezli), 2013

### Research Areas

Mechanical Engineering, Energy, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Continues

### Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Yozgat Bozok University, Rektörlük, 2022 - Continues

İş Sağlığı ve Güvenliği Komisyonu Başkan Yardımcısı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2022 - Continues

Fakülte Disiplin Kurulu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2022 - Continues

Koordinasyon Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2022 - Continues

Head of Department, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2022 - Continues  
Eğitim-Öğretim Komisyonu Üyesi, Yozgat Bozok University, Rektörlük, 2022 - Continues  
Birim Sınav Temsilcisi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Rektörlük Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yozgat Bozok University, Rektörlük, 2021 - Continues  
UZEM Birim Koordinatörü, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Fakülte Kısmi Zamanlı Öğrenci Belirleme Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Fakülte Burs Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Koronavirus Salgını Danışma Komisyonu, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Vice Dean, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Fakülte Kurulu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2021 - Continues  
Muafiyet ve İntibak Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Continues  
Eğitim-Öğretim Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - Continues  
Bölüm Kalite Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2020 - 2022  
Birim Kalite Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, 2018 - 2022  
İntibak ve Muafiyet Komisyonu Başkanı, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2017 - 2022  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, 2021 - 2021  
Eğitim-Öğretim Komisyon Üyesi, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Biyosistem Mühendisliği, 2015 - 2016  
Değişim Prog. Koordinatör Yrd., Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Biyosistem Mühendisliği, 2015 - 2016

## Courses

PİSTONLU MOTORLARDA YANMA, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
YENİLENEBİLİR ENERJİ TEKNOLOJİLERİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
UZMANLIK ALAN DERSİ I, Postgraduate, 2019 - 2020  
YAKITLAR VE YANMA, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
UZMANLIK ALAN DERSİ II, Postgraduate, 2019 - 2020, 2018 - 2019  
BİTİRME PROJESİ, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
TEZ ÇALIŞMASI, Postgraduate, 2019 - 2020  
MAK. MÜH. UYG. PROJE, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
MOTORLAR, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
SEMİNER, Doctorate, 2018 - 2019  
SEMİNER, Postgraduate, 2018 - 2019  
MATEMATİK-1, Undergraduate, 2017 - 2018  
MATEMATİK-2, Undergraduate, 2017 - 2018

## Published journal articles indexed by SCI, SSCI, and AHCI

- Green synthesis of SiO<sub>2</sub> and TiO<sub>2</sub> nanoparticles using safflower (*Carthamus tinctorius* L.) leaves and investigation of their usability as alternative fuel additives for diesel-safflower oil biodiesel blends**  
DOĞAN B., YEŞİLYURT M. K., Yaman H., KORKMAZ N., ARSLAN A.  
Fuel, vol.367, 2024 (SCI-Expanded)

- II. **Determination of engine performance and harmful pollutants of a spark-ignition engine fueled with higher-order alcohol/gasoline blends by engine simulation**  
Gholami Ghanati S., DOĞAN B., YEŞİLYURT M. K., Yaman H.  
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, vol.238, no.3, pp.1137-1148, 2024 (SCI-Expanded)
- III. **Effects of compression ratio on thermodynamic and sustainability parameters of a diesel engine fueled with methanol/diesel fuel blends containing 1-pentanol as a co-solvent**  
Yaman H., YEŞİLYURT M. K., Raja Ahsan Shah R. M., Soyhan H. S.  
Fuel, vol.357, 2024 (SCI-Expanded)
- IV. **The effects of the usage of silicon dioxide (SiO<sub>2</sub>) and titanium dioxide (TiO<sub>2</sub>) as nano-sized fuel additives on the engine characteristics in diesel engines: a review**  
Ghanati S. G., DOĞAN B., YEŞİLYURT M. K.  
Biofuels, vol.15, no.2, pp.229-243, 2024 (SCI-Expanded)
- V. **Developments in the RCCI engines powered by several alternative fuel types: An overview**  
Korkmaz S., Yaman H., YEŞİLYURT M. K.  
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024 (SCI-Expanded)
- VI. **An overview concerning the utilization of fusel oil as an alternative fuel in the engine applications**  
DOĞAN B., YEŞİLYURT M. K., Atak N. N.  
Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2024 (SCI-Expanded)
- VII. **Solar energy-assisted hydrogen production and its utilization in a hybrid fuel cell system: a planning for different regions of Türkiye**  
Atak N. N., DOĞAN B., YEŞİLYURT M. K.  
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.46, no.1, pp.5219-5235, 2024 (SCI-Expanded)
- VIII. **The effect of membrane thickness on the exergetic performance in PEMFC**  
Atak N. N., Erdem Z., Tuna Ş., DOĞAN B., YEŞİLYURT M. K.  
International Journal of Exergy, vol.43, no.2, pp.163-176, 2024 (SCI-Expanded)
- IX. **Investigation of the performance parameters for a PEMFC by thermodynamic analyses: Effects of operating temperature and pressure**  
Atak N. N., DOĞAN B., YEŞİLYURT M. K.  
Energy, vol.282, 2023 (SCI-Expanded)
- X. **The effects of different channel geometries in the displacer cylinder, working fluids, and engine speed on the energy and exergy performance characteristics of a  $\beta$ -type Stirling engine with a slider-crank drive mechanism**  
DOĞAN B., Erol D., YEŞİLYURT M. K., Yaman H.  
International Journal of Engine Research, vol.24, no.9, pp.4008-4020, 2023 (SCI-Expanded)
- XI. **Modeling of a port fuel injection spark-ignition engine with different compression ratios using methanol blends with the response surface methodology**  
Yeşilyurt M. K., Uslu S., Yaman H.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART E-JOURNAL OF PROCESS MECHANICAL ENGINEERING, vol.237, no.3, pp.936-944, 2023 (SCI-Expanded)
- XII. **Evaluation of the use of diesel-biodiesel-hexanol fuel blends in diesel engines with exergy analysis and sustainability index**  
Erol D., Kadir Yeşilyurt M. K., Yaman H., DOĞAN B.  
Fuel, vol.337, 2023 (SCI-Expanded)
- XIII. **Research on the usability of various oxygenated fuel additives in a spark-ignition engine considering thermodynamic and economic analyses**  
YEŞİLYURT M. K., DOĞAN B., Cakmak A.  
Biofuels, vol.14, no.9, pp.933-949, 2023 (SCI-Expanded)

- XIV. **A statistical optimization attempt by applying the Taguchi technique for the optimum transesterification process parameters in the production of biodiesel from Papaver somniferum L. seed oil**  
YEŞİLYURT M. K., Cesur C.  
FUEL, vol.329, 2022 (SCI-Expanded)
- XV. **The experimental investigation on the impact of n-octanol in the compression-ignition engine operating with biodiesel/diesel fuel blends: exergy, exergoeconomic, environmental analyses**  
Çakmak A., YEŞİLYURT M. K., Erol D., DOĞAN B.  
Journal of Thermal Analysis and Calorimetry, vol.147, no.20, pp.11231-11259, 2022 (SCI-Expanded)
- XVI. **Effects of using ethyl acetate as a surprising additive in SI engine pertaining to an environmental perspective**  
Yeşilyurt M. K., Erol D., Yaman H., Dogan B.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.19, no.10, pp.9427-9456, 2022 (SCI-Expanded)
- XVII. **An experimental assessment on dual fuel engine behavior powered by waste tire-derived pyrolysis oil - biogas blends**  
Karagoz M., Polat F., Sarıdemir S., Yeşilyurt M. K., Agbulut U.  
FUEL PROCESSING TECHNOLOGY, vol.229, 2022 (SCI-Expanded)
- XVIII. **Experimental assessment of the influences of liquid-solid-gas fuel blends on DI-CI engine behaviors**  
Polat F., Yeşilyurt M. K., Ağbulut Ü., Karagöz M., Sarıdemir S.  
Process Safety and Environmental Protection, vol.159, pp.511-524, 2022 (SCI-Expanded)
- XIX. **The industrial-grade hemp (Cannabis sativa L.) seed oil biodiesel application in a diesel engine: combustion, harmful pollutants, and performance characteristics**  
Yılbaşı Z., Yesilyurt M. K., Yaman H., Arslan M.  
Science and Technology for Energy Transition, vol.77, no.15, pp.1-36, 2022 (SCI-Expanded)
- XX. **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., Yeşilyurt M. K., Uslu S.  
ENERGY, vol.238, 2022 (SCI-Expanded)
- XXI. **Impact prediction model of acetone at various ignition advance by artificial neural network and response surface methodology techniques for spark ignition engine**  
Uslu S., YEŞİLYURT M. K., Yaman H.  
Science and Technology for Energy Transition (STET), vol.77, 2022 (SCI-Expanded)
- XXII. **Comprehensive investigation of using n-butanol/gasoline blends in a port-fuel injection spark-ignition engine**  
Yeşilyurt M. K., Yaman H.  
INTERNATIONAL JOURNAL OF EXERGY, vol.37, no.1, pp.1-23, 2022 (SCI-Expanded)
- XXIII. **The assessment of fusel oil in a compression-ignition engine in the perspective of the waste to energy concept: investigation of the performance, emissions, and combustion characteristics**  
EROL D., YAMAN H., DOĞAN B., YEŞİLYURT M. K.  
BIOFUELS-UK, vol.13, no.10, pp.1147-1164, 2022 (SCI-Expanded)
- XXIV. **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, vol.46, no.12, pp.11937-11961, 2021 (SCI-Expanded)
- XXV. **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**  
Yeşilyurt M. K., Cakmak A.  
FUEL, vol.305, 2021 (SCI-Expanded)
- XXVI. **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, vol.24, pp.1329-1346, 2021 (SCI-Expanded)

- XXVII. **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, vol.46, no.12, pp.11711-11724, 2021 (SCI-Expanded)
- XXVIII. **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, vol.222, 2021 (SCI-Expanded)
- XXIX. **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, vol.278, 2020 (SCI-Expanded)
- XXX. **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, vol.275, 2020 (SCI-Expanded)
- XXXI. **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, vol.275, 2020 (SCI-Expanded)
- XXXII. **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, vol.269, 2020 (SCI-Expanded)
- XXXIII. **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, vol.140, no.6, pp.2903-2942, 2020 (SCI-Expanded)
- XXXIV. **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, vol.265, 2020 (SCI-Expanded)
- XXXV. **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, vol.27, no.10, pp.10351-10366, 2020 (SCI-Expanded)
- XXXVI. **The production of biodiesel from safflower (Carthamus tinctorius L.) oil as a potential feedstock and its usage in compression ignition engine: A comprehensive review**  
Yeşilyurt M. K., Cesur C., Aslan V., Yılbaşı Z.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.119, 2020 (SCI-Expanded)
- XXXVII. **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, vol.205, 2020 (SCI-Expanded)

- XXXVIII. **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, vol.255, 2019 (SCI-Expanded)
- XXXIX. **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, vol.132, pp.649-666, 2019 (SCI-Expanded)
- XL. **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, vol.16, no.1, pp.60-71, 2019 (SCI-Expanded)
- XLI. **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, vol.10, no.5, pp.643-655, 2019 (SCI-Expanded)
- XLII. **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, vol.165, pp.1332-1351, 2018 (SCI-Expanded)
- XLIII. **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, vol.40, no.6, pp.654-661, 2018 (SCI-Expanded)
- XLIV. **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, vol.38, no.2, pp.129-150, 2018 (SCI-Expanded)
- XLV. **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, vol.8, no.1, pp.121-127, 2018 (SCI-Expanded)
- XLVI. **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, vol.35, no.6, pp.1827-1841, 2016 (SCI-Expanded)
- XLVII. **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, vol.95, pp.233-247, 2016 (SCI-Expanded)
- XLVIII. **Biodiesel production potential from oil seeds in Turkey**  
ERYILMAZ T., YEŞİLYURT M. K., Cesur C., GÖKDOĞAN O.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.58, pp.842-851, 2016 (SCI-Expanded)
- XLIX. **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, vol.40, no.12, pp.3745-3758, 2015 (SCI-Expanded)
- L. **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, vol.6, no.1, pp.95-128, 2015 (SCI-Expanded)

- L.I. **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, vol.24, pp.1523-1529, 2015 (SCI-Expanded)
- L.II. **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, vol.24, no.10, pp.3197-3204, 2015 (SCI-Expanded)
- L.III. **PREDICTION OF DENSITY OF WASTE COOKING OIL BIODIESEL USING ARTIFICIAL NEURAL NETWORKS**  
ERYILMAZ T., YEŞİLYURT M. K., GÖKDOĞAN O.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, pp.1862-1870, 2015 (SCI-Expanded)
- L.IV. **INVESTIGATION OF TEMPERATURE-DEPENDENT KINEMATIC VISCOSITY VARIATIONS OF NEUTRALIZED WASTE COOKING OIL BIODIESEL AND ITS BLENDS**  
ERYILMAZ T., YEŞİLYURT M. K.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, pp.1016-1024, 2015 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Biodiesel production from hempseed (Cannabis sativa L.) oil: Providing optimum conditions by response surface methodology**  
Yazilitaş C., Yılbaşı Z., Yeşilyurt M. K.  
Science and Technology for Energy Transition (STET), vol.79, 2024 (Scopus)
- II. **Investigation of the behaviors of higher alcohols in a spark-ignition engine as an oxygenated fuel additive in energy, exergy, economic, and environmental terms**  
Demirbas M., YEŞİLYURT M. K.  
Journal of Thermal Analysis and Calorimetry, vol.148, no.10, pp.4427-4462, 2023 (Scopus)
- III. **Energy, exergy, sustainability, and economic analyses of a grid-connected solar power plant consisting of bifacial PV modules with solar tracking system on a single axis**  
ÖZTÜRK A. M., DOĞAN B., YEŞİLYURT M. K.  
Science and Technology for Energy Transition (STET), vol.78, 2023 (Scopus)
- IV. **Understanding the performance, emissions, and combustion behaviors of a DI diesel engine using alcohol/hemp seed oil biodiesel/diesel fuel ternary blends: Influence of long-chain alcohol type and concentration**  
Yılbaşı Z., Yeşilyurt M. K., Arslan M., Yaman H.  
Science and Technology for Energy Transition (STET), vol.78, no.1, 2023 (Scopus)
- V. **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, vol.4, no.3, pp.185-192, 2020 (Peer-Reviewed Journal)
- VI. **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, vol.7, no.2, pp.135-148, 2020 (Peer-Reviewed Journal)
- VII. **A Study Toward Analyzing the Energy, Exergy and Sustainability Index Based on Performance and**

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## Metrics



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## **Non Academic Experience**

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