

## Asst. Prof. ERDİ TOSUN

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği/Otomotiv, Turkey 2014 - 2018

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği/Otomotiv, Turkey 2011 - 2013

Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2007 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, AVL FIRE Training Course, AVL Advanced Simulation Technologies, 2013

Education Management and Planning, AVL BOOST Training Course, AVL Advanced Simulation Technologies, 2013

Education Management and Planning, Ekserji ve Uygulamaları Yaz Kursu, Osmaniye Korkut Ata Üniversitesi/Mühendislik Fakültesi/Enerji Sistemleri Mühendisliği Bölümü, 2012

### Dissertations

Doctorate, Prediction of various engine-out parameters by use of artificial intelligence techniques, Cukurova University, Fen Bilimleri Enstitüsü, 2018

Postgraduate, Energy and Exergy Analysis of a Diesel Engine , Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği/Otomotiv, 2013

### Research Areas

Mechanical Engineering, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği, 2020 - Continues

Research Assistant PhD, Cukurova University, Ceyhan Mühendislik Fakültesi, Makine Mühendisliği, 2018 - 2020

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

- I. **Combined effects of hydrogen and TiO<sub>2</sub> nanoparticle additive on terebinth oil biodiesel operated diesel engine**  
Çalık A., Tosun E., Akar M. A., Özcanlı M.  
SCIENCE AND TECHNOLOGY FOR ENERGY TRANSITION (STET), vol.78, pp.1-6, 2023 (SCI-Expanded)
- II. **Hydrogen enrichment effects on performance and emission characteristics of a diesel engine operated with diesel-soybean biodiesel blends with nanoparticle addition**  
TOSUN E., ÖZCANLI M.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.24, no.3, pp.648-654, 2021 (SCI-Expanded)
- III. **Variation of spark plug type and spark gap with hydrogen and methanol added gasoline fuel: Performance characteristics**  
Baş O., AKAR M. A., SERİN H., ÖZCANLI M., TOSUN E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.50, pp.26513-26521, 2020 (SCI-Expanded)
- IV. **Artificial intelligence techniques for the vibration, noise, and emission characteristics of a hydrogen-enriched diesel engine**  
Yildirim S., TOSUN E., Calik A., ULUOCAK İ., AVŞAR E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.41, no.18, pp.2194-2206, 2019 (SCI-Expanded)
- V. **Investigation the Fuel Properties of Apricot Kernel Biodiesel and Diesel-Biodiesel Fuel Blends**  
ÖZGÜR C., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZGÜR T.  
JOURNAL OF BIOTECHNOLOGY, vol.208, pp.30, 2018 (SCI-Expanded)
- VI. **Comparison of the Effects of Reaction Parameters on Cold Flow Properties of Biodiesel**  
ÖZGÜR C., TOSUN E., ÖZGÜR T.  
MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.3, pp.62-71, 2017 (SCI-Expanded)
- VII. **Estimation of crack propagation in polymer electrolyte membrane fuel cell under vibration conditions**  
Calik A., YILDIRIM S., TOSUN E.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23347-23351, 2017 (SCI-Expanded)
- VIII. **Evaluation of vibration characteristics of a hydroxyl (HHO) gas generator installed diesel engine fuelled with different diesel-biodiesel blends**  
Uludamar E., TOSUN E., Tuccar G., YILDIZHAN Ş., Calik A., YILDIRIM S., SERİN H., ÖZCANLI M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.36, pp.23352-23360, 2017 (SCI-Expanded)
- IX. **Experimental and artificial neural network approach of noise and vibration characteristic of an unmodified diesel engine fuelled with conventional diesel, and biodiesel blends with natural gas addition**  
Celebi K., Uludamar E., TOSUN E., YILDIZHAN Ş., AYDIN K., ÖZCANLI M.  
FUEL, vol.197, pp.159-173, 2017 (SCI-Expanded)
- X. **Prediction of density and kinematic viscosity of biodiesel by artificial neural networks**  
ÖZGÜR C., TOSUN E.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.10, pp.985-991, 2017 (SCI-Expanded)
- XI. **ESTIMATION OF OPERATIONAL PARAMETERS FOR A DIRECT INJECTION TURBOCHARGED SPARK IGNITION ENGINE BY USING REGRESSION ANALYSIS AND ARTIFICIAL NEURAL NETWORK**  
TOSUN E., AYDIN K., MEROLA S. S., IRIMESCU A.  
THERMAL SCIENCE, vol.21, no.1, pp.401-412, 2017 (SCI-Expanded)
- XII. **Comparison of linear regression and artificial neural network model of a diesel engine fueled with**

#### **biodiesel-alcohol mixtures**

TOSUN E., AYDIN K., BİLGİLİ M.

ALEXANDRIA ENGINEERING JOURNAL, vol.55, no.4, pp.3081-3089, 2016 (SCI-Expanded)

- XIII. **Experimental and regression analysis of noise and vibration of a compression ignition engine fuelled with various biodiesels**  
ULUDAMAR E., TOSUN E., AYDIN K.  
FUEL, vol.177, pp.326-333, 2016 (SCI-Expanded)
- XIV. **Failure load prediction of single lap adhesive joints using artificial neural networks**  
TOSUN E., ÇALIK A.  
ALEXANDRIA ENGINEERING JOURNAL, vol.55, no.2, pp.1341-1346, 2016 (SCI-Expanded)
- XV. **Exergy analysis of an inter-city bus air-conditioning system**  
TOSUN E., BİLGİLİ M., TUCCAR G., YAŞAR A. N., AYDIN K.  
INTERNATIONAL JOURNAL OF EXERGY, vol.20, no.4, pp.445-464, 2016 (SCI-Expanded)
- XVI. **Diesel engine emissions and performance from blends of citrus sinensis biodiesel and diesel fuel**  
TÜCCAR G., TOSUN E., ÖZGÜR T., AYDIN K.  
FUEL, vol.132, pp.7-11, 2014 (SCI-Expanded)
- XVII. **Determination of effects of various alcohol additions into peanut methyl ester on performance and emission characteristics of a compression ignition engine**  
TOSUN E., YILMAZ A. C., ÖZCANLI M., AYDIN K.  
FUEL, vol.126, pp.38-43, 2014 (SCI-Expanded)

#### **Articles Published in Other Journals**

- I. **Evaluation of Lithium-ion Batteries in Electric Vehicles**  
Tosun E., Keyinci S., Yakaryılmaz A. C., Yıldızhan Ş., Özcanlı M.  
International Journal of Automotive Science and Technology, vol.8, no.3, pp.332-340, 2024 (Peer-Reviewed Journal)
- II. **Comparison of effects of nanofluid utilization (Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>, TiO<sub>2</sub>) with reference water in automotive radiators on exergetic properties of diesel engines**  
Erkan A., Tuccar G., TOSUN E., ÖZGÜR T.  
SN APPLIED SCIENCES, vol.3, no.3, 2021 (ESCI)
- III. **Development of a prototype hydrogen vehicle**  
Yakaryılmaz A. C., Yildizhan Ş., Aktaş A. E., Baş O., Tosun E., Özgür T., Aydın K.  
International Journal of Automotive Engineering and Technologies, vol.9, no.4, pp.190-195, 2020 (Peer-Reviewed Journal)
- IV. **Catalytic effect of metal based nanoparticles on emission and vibration analysis of diesel engine**  
YAŞAR A., KESKİN A., TOSUN E., YILDIZHAN Ş.  
International Journal of Automotive Engineering and Technologies, pp.113-121, 2020 (Peer-Reviewed Journal)
- V. **Investigations of Effects of Density and Viscosity of Diesel and Biodiesel Fuels on NO<sub>x</sub> and Other Emission Formations**  
TÜCCAR G., TOSUN E., ULUDAMAR E.  
Academic Platform Journal of Engineering and Science, vol.6, no.2, pp.81-85, 2018 (Peer-Reviewed Journal)
- VI. **Comparative analysis of various modelling techniques for emission prediction of diesel engine fueled by diesel fuel with nanoparticle additives**  
TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.  
EUROPEAN MECHANICAL SCIENCE, vol.1, no.1, pp.15-23, 2017 (Peer-Reviewed Journal)
- VII. **Comparative Analysis of Various Modelling Techniques for Emission Prediction of Diesel Engine Fueled by Diesel Fuel with Nanoparticle Additives**  
TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.  
EUROPEAN MECHANICAL SCIENCE, vol.1, pp.15-23, 2017 (Peer-Reviewed Journal)

- VIII. **Finite Element Analysis of Electric Bike Rims Coupled with Hub Motor**  
 ULUDAMAR E., YILDIZHAN Ş., TOSUN E., AYDIN K.  
 Advances in Automobile Engineering, vol.5, no.2, pp.1-4, 2016 (Peer-Reviewed Journal)
- IX. **Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**  
 TOSUN E., ULUDAMAR E., TÜCCAR G., YILMAZ A. C., AYDIN K.  
 The Journal of MacroTrends in Technology and Innovation???, vol.3, no.1, pp.1-8, 2015 (Peer-Reviewed Journal)
- X. **Investigation of Effects Of inlet Boundary Conditions on the Flow Behaviour in a Diesel Injector**  
 TÜCCAR G., ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K.  
 Advanced Materials Research, vol.1016, pp.602-606, 2014 (Peer-Reviewed Journal)
- XI. **Possibility of Turkey to transit Electric Vehicle-based transportation**  
 TÜCCAR G., TOSUN E., ÖZCANLI M., AYDIN K.  
 INTERNATIONAL JOURNAL OF AUTOMOTIVE ENGINEERING AND TECHNOLOGIES, vol.2, no.2, pp.64-69, 2013  
 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Influences of Iron Oxide Nanomaterial and Hydrogen Addition into Sunflower Biodiesel/Diesel Powered Diesel Engine Performance and Emissions**  
 ÖZCANLI M., TOSUN E., ÇALIK A.  
 5th International Conference on Design and Technologies for Polymeric and Composites Products (POLCOM), Bucharest, Romania, 24 - 27 November 2021, vol.404
- II. **Effects of higher alcohol addition to diesel fuel on emission and performance characteristics of compression ignition engine: An overview**  
 YAKARYILMAZ A. C., TOSUN E., ÖZGÜR T.  
 5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020
- III. **Effects of Membership Function Type and Number of Membership Functions on ANFIS Predictions of Diesel Engine Vibration**  
 TOSUN E., AYDIN K., ULUOCAK İ.  
 International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI) 2019, Budapest, Hungary, 23 - 24 August 2019, pp.187-193
- IV. **Design and Setup of A Eddy Current Dynamometer**  
 ULUOCAK İ., YAVUZ H., TOSUN E.  
 International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI) 2019, Budapest, Hungary, 23 - 24 August 2019, pp.179-186
- V. **Using of Artificial Neural Network (ANN) Method to Predict Cold Flow Properties of Biodiesel-Diesel Fuel Blends**  
 TOSUN E., ÖZGÜR C.  
 4 International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 April 2019, pp.327
- VI. **Estimation of Diesel Engine Vibration Level by Use of Adaptive Neuro-Fuzzy Inference System (ANFIS)**  
 TOSUN E., ULUDAMAR E., ÖZCANLI M., AYDIN K., ÖZGÜR T., ÖZGÜR C.  
 4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019, pp.258-262
- VII. **Investigation the fuel properties of apricot kernel biodiesel and diesel-biodiesel fuel blends**  
 Ozgur C., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZGÜR T.  
 European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
- VIII. **Energy and Exergy Analysis 1kW Self-humidified PEM Fuel Cell**  
 ÖZGÜR T., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZCANLI M.

3 rd International Hydrogen Technologies Congress (IHTEC 2018), 15 - 18 March 2018

- IX. **Energy and Exergy Analysis of 1 kW Self-humidified PEM Fuel Cell**  
ÖZGÜR T., YAKARYILMAZ A. C., TOSUN E., AKAR M. A., ÖZCANLI M.  
3rd International Hydrogen Technologies Congress, Antalya, Turkey, 15 - 18 March 2018, pp.106
- X. **Effect of MgO Nanoparticulate additives on Performance and Exhaust Emissions of Diesel Fuelled Compression Ignition Engine**  
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.  
19th International Conference on Researches in Science Technology, 27 - 28 July 2017, pp.72-85
- XI. **Identification of Biodiesel Yield and Kinematic Viscosity of Hazelnut Oil Biodiesel According to Operation Parameters**  
ÖZGÜR C., TOSUN E., ÖZGÜR T.  
2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 25 - 27 October 2017, pp.1
- XII. **Effect of mgo nanoparticule additives on performance and exhaust emissions of diesel fuelled compression ignition engine**  
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.  
19th International Conference on Researches in Science Technology (ICRST), Barcelona, Spain, 27 - 28 July 2017, pp.66-67
- XIII. **Effect of MgO Nanoparticule Additives on Performance and Exhaust Emissions of Diesel Fuelled Compression Ignition Engine**  
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.  
19th International Conference on Researches in Science & Technology (ICRST), Barcelona, Spain, 27 - 28 July 2017, pp.66-67
- XIV. **Performance, Emission and Efficiency Analysis of a Diesel Engine Operated with Diesel and Diesel-Ethanol (E20) Blend**  
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.  
19th International Conference on Researches in Science & Technology (ICRST), Barcelona, Spain, 27 - 28 July 2017, pp.1-9
- XV. **COMPARISON OF THE EFFECTS OF REACTION PARAMETERS ON COLD FLOW PROPERTIES OF BIODIESEL**  
ÖZGÜR C., TOSUN E., ÖZGÜR T.  
19th International Conference on Researches in Science & Technology (ICRST), Barcelona, Spain, 27 - 28 July 2017, pp.1
- XVI. **Effects of diesel butanol and biodiesel butanol blends over diesel engine performance and emissions**  
YILDIZHAN Ş., TOSUN E., ULUDAMAR E., SERİN H.  
3rd International Conference on Engineering and Natural Science, 3 - 07 May 2017, pp.180
- XVII. **Usage of Thermoelectric Generator for Recovery of Waste Exhaust**  
Hasan E., AYDIN K., TOSUN E., ÖZGÜR C., ÖZGÜR T.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 29 October 2016
- XVIII. **A study of impacts of reaction parameters on waste oil biodiesel**  
ÖZGÜR C., TOSUN E., ÖZGÜR T.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 29 October 2016
- XIX. **Investigation of the effects of viscosity and density of different biodiesels on exhaust emissions**  
TÜCCAR G., ULUDAMAR E., YILDIZHAN Ş., TOSUN E., SERİN H., ÖZCANLI M.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016, pp.2750
- XX. **Comparative analysis of various modelling techniques for emission prediction of diesel engine fuelled by diesel fuel with nanoparticle additives**  
TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1307-1316
- XXI. **Comparative analysis of various modelling techniques for emission prediction of diesel engine fuelled by diesel fuel with nanoparticle additives**

TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1307-1316

**XXII. Comparative analysis of various modelling techniques for emission prediction of diesel engine fueled by diesel fuel with nanoparticle additives**

TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1307-1316

**XXIII. Evaluation of vibration characteristics of a hydroxyl (HHO) gas generator installed diesel engine fueled with different dieselbiodiesel blends**

Uludamar E., TOSUN E., Tüccar G., YILDIZHAN Ş., Çalık A., YILDIRIM S., SERİN H., ÖZCANLI M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.2005

**XXIV. Usage of Thermoelectric Generator for Recovery of Waste Exhaust Heat in Internal Combustion Engines**

ELBAŞI H., AYDIN K., TOSUN E., ÖZGÜR C., ÖZGÜR T.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3546-3552

**XXV. Comparative analysis of various modelling techniques for emission prediction of diesel engine fueled by diesel fuel with nanoparticle additives**

TOSUN E., ÖZGÜR T., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.1307-1316

**XXVI. A study of impacts of reaction parameters on waste oil biodiesel production**

ÖZGÜR C., TOSUN E., ÖZGÜR T.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3099-3103

**XXVII. Performance, Emission and Thermodynamic Analysis of a Diesel Engine Fueled with Diesel and Canola Biodiesel**

TOSUN E., ÖZCANLI M., HÜRDOĞAN E., ÖZGÜR T., AYDIN K.

AVTECH '15 / III. Automotive and Vehicle Technologies Conference, İstanbul, Turkey, 23 - 24 November 2015, pp.129-144

**XXVIII. Prediction of Carbon Monoxide Emission of a Diesel Engine Fueled with Peanut Biodiesel**

TOSUN E., ÖZGÜR T., AYDIN K., ÖZCANLI M., SERİN H.

AVTECH '15 / III. Automotive and Vehicle Technologies Conference, İstanbul, Turkey, 23 - 24 November 2015, pp.158-166

**XXIX. Finite Element Analysis of Electric Bike Rims Coupled with Hub Motor**

ULUDAMAR E., YILDIZHAN Ş., TOSUN E., AYDIN K.

Proceeding of International Conference and Exhibition on Automobile Engineering, Valensiya, Spain, 1 - 02 September 2015, vol.4, pp.30

**XXX. Finite Element Analysis of Electrical Bike Rims Coupled with Hub Motor**

ULUDAMAR E., YILDIZHAN Ş., TOSUN E., AYDIN K.

International Conference and Exhibition on Automotive Engineering, Valensiya, Spain, 1 - 02 September 2015, vol.4, no.1, pp.30

**XXXI. Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**

TOSUN E., ULUDAMAR E., TÜCCAR G., YILMAZ A. C., AYDIN K.

The MacroJournals Conference on Medicine, Science, and Technology - Dubrovnik 2015, Dubrovnik, Croatia, 3 - 04 August 2015, vol.3, no.1, pp.1-8

**XXXII. Biodiesel Production From Opium Poppy Oil and Determination of Its Effects on Engine Performance and Emissions of a Compression Ignition Engine**

TOSUN E., ULUDAMAR E., TÜCCAR G., YILMAZ A. C., AYDIN K.

The MacroJournals Conference on Medicine, Science, and Technology - Dubrovnik 2015, Dubrovnik, Croatia, 3 - 04 August 2015, vol.3, no.1, pp.1-8

**XXXIII. Determination of performance, emission, energetic and exergetic performance of a diesel engine.**

TOSUN E., ÖZGÜR T., TÜCCAR G., ÖZGÜR C., AYDIN K., ÖZCANLI M.

International Conference on Automotive and Vehicle Technologies 2014, İstanbul, Turkey, 16 - 18 October 2014, pp.243-251

**XXXIV. Investigation of Effects of Inlet Boundary Conditions on the Flow Behaviour in a Diesel Injector**

TÜCCAR G., ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K.

The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, Spain, 18 - 19 July 2014, pp.11-16

**XXXV. Investigation of Engine Performance and Emission Characteristics of SI Engine Fuelled with Ethanol Blends by Numerical Simulation**

ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.

The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, Spain, 18 - 19 July 2014, pp.597

**XXXVI. Numerical Studies of Engine Performance, Emission and Combustion Characteristics of a Diesel Engine Fuelled with Hydrogen Blends**

ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.

The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Madrid, Spain, 18 - 19 July 2014, pp.1-5

**XXXVII. Investigation of Engine Performance and emission Characteristics of SI engine Fueled with Ethanol Blends by Numerical Simulation**

ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.

The 5. International Conference on Mechanical and Aerospace Engineering, 18 - 19 July 2014

**XXXVIII. Numerical Studies of Engine Performance Emission and Combustion Characteristics of a Diesel engine Fueled with Hydrogen Blends**

ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.

The 5. International Conference on Mechanical and Aerospace Engineering, 18 - 19 July 2014

**XXXIX. Investigation of effects of inlet boundary conditions on the flow behaviour in a diesel injector**

Tüccar G., ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K.

5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, Spain, 18 - 19 July 2014, vol.1016, pp.602-606

**XL. Numerical studies of engine performance, emission and combustion characteristics of a diesel engine fuelled with hydrogen blends**

ÖZGÜR T., TOSUN E., ÖZGÜR C., Tüccar G., AYDIN K.

5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, Spain, 18 - 19 July 2014, vol.1016, pp.582-586

**XLI. Investigation of engine performance and emission characteristics of SI engine fuelled with ethanol blends by numerical simulation**

ÖZGÜR C., TOSUN E., ÖZGÜR T., TÜCCAR G., AYDIN K.

5th International Conference on Mechanical and Aerospace Engineering, ICMAE 2014, Madrid, Spain, 18 - 19 July 2014, vol.1016, pp.597-601

**XLII. Performance characteristics of a diesel engine fueled with trio-biodiesel blends**

ÖZCANLI M., SERİN H., YAVUZ H., AYDIN K., TOSUN E.

European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24

## Supported Projects

ÖZCANLI M., TOSUN E., Project Supported by Higher Education Institutions, Combined Effects of Nanoparticle and

Hydrogen Additives on Biodiesel Fueled Diesel Engine, 2020 - 2022

KESKİN A., TOSUN E., Project Supported by Higher Education Institutions, Otomotiv Mühendisliği Öğrenci Laboratuvarları Altyapı Geliştirme Projesi, 2020 - 2021

ÖZGÜR T., YAKARYILMAZ A. C., TOSUN E., Project Supported by Higher Education Institutions, Proton Değişim Membranlı Yakıt Pilinin Enerji ve Ekserji Analizi, 2018 - 2019

ÖZGÜR T., TOSUN E., ÖZGÜR C., AYDIN K., Project Supported by Higher Education Institutions, Effect of MgO Nanoparticle Additive on Performance and Exhaust Emissions of Diesel Fuelled Compression Ignition Engine, 2017 - 2018

AYDIN K., AKTAŞ A. E., ÖZGÜR T., BOZDEMİR Y. Z., BULUT Y. C., AYDIN A., TOSUN E., YILDIZHAN Ş., BAŞ O., EKMEKÇİ G., et al., Project Supported by Higher Education Institutions, Hidrojen Enerjisi İle Çalışan Hibrid Otomobil Geliştirme Projesi, 2017 - 2018

ÖZGÜR C., TOSUN E., ÖZGÜR T., Project Supported by Higher Education Institutions, Farklı Bitkisel Yağlardan Biyodizel üretiminde Optimum Reaksiyon Parametrelerinin Etkisinin İncelenmesi, 2016 - 2017

ÖZGÜR T., ÖZGÜR C., TOSUN E., TÜCCAR G., Project Supported by Higher Education Institutions, Alternatif Yakıtlı Dizel Motorlarının Enerji ve Ekserji Analizleri, 2016 - 2017

## Scientific Refereeing

SN Applied Sciences , Other Indexed Journal, December 2019

SN Applied Sciences, Other Indexed Journal, November 2019

Energy, SCI Journal, March 2019

Energy, SCI Journal, February 2019

Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, SCI Journal, January 2019

Environmental Science and Pollution Research, SCI Journal, November 2018

Environmental Technology, Other Indexed Journal, February 2018

International Journal of Hydrogen Energy, SCI Journal, January 2018

International Journal of Hydrogen Energy , SCI Journal, November 2017

Environmental Technology, SCI Journal, November 2017

Energy, SCI Journal, September 2017

Waste and Biomass Valorization, SCI Journal, February 2017

Energy Conversion and Management, SCI Journal, October 2016

Energy Conversion and Management, SCI Journal, September 2015

Fuel Processing Technology, SCI Journal, June 2015

Energy Conversion and Management, SCI Journal, May 2015

Journal of the American Oil Chemists' Society, Other Indexed Journal, January 2015

Fuel Processing Technology, SCI Journal, July 2014

## Metrics

Publication: 79

Citation (WoS): 345

Citation (Scopus): 507

H-Index (WoS): 8

H-Index (Scopus): 10

## Congress and Symposium Activities

International Academic Conference on Engineering, Transport, IT and Artificial Intelligence (IAC-ETITAI) 2019, Attendee, Budapest, Hungary, 2019



4th International Mediterranean Science and Engineering Congress (IMSEC 2019), Attendee, Antalya, Turkey, 2019  
19th International Conference on Researches in Science & Technology (ICRST), Attendee, Barcelona, Spain, 2017  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Attendee, Adana, Turkey, 2016  
AVTECH '15 / III. Automotive and Vehicle Technologies Conference, Attendee, İstanbul, Turkey, 2015  
The MacroJournals Conference on Medicine, Science, and Technology, Attendee, Dubrovnik, Croatia, 2015  
The 5th International Conference on Mechanical and Aerospace Engineering, Attendee, Madrid, Spain, 2014  
European Biotechnology Congress, Attendee, Bratislava, Slovakia, 2013