

## Assoc. Prof. TAYFUN ÖZGÜR

### Personal Information

**Office Phone:** [+90 322 338 6600](tel:+903223386600) Extension: 2722

**Email:** [tozgur@cu.edu.tr](mailto:tozgur@cu.edu.tr)

**Web:** <https://avesis.cu.edu.tr//tozgur>

### International Researcher IDs

ORCID: 0000-0002-8501-2224

Publons / Web Of Science ResearcherID: J-1283-2018

ScopusID: 55245903000

Yoksis Researcher ID: 103517

### Education Information

Doctorate, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, Turkey 2011 - 2015

Postgraduate, Cukurova University, Makina Mühendisliği, Makine Mühendisliği, Turkey 2008 - 2011

Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2003 - 2008

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

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

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

Education Management and Planning, International Summer School on PEM Fuel Cells Applications and Integration, International Centre For Hydrogen Energy Technologies, 2011

Other, Enerji Yöneticisi, Edsm Enerji Denetim Danışmanlık Servis Mühendislik San. ve Tic. Ltd.Şti., 2009

### Dissertations

Doctorate, Modelling And Simulation of Conventional Turbocharged and Electrically Assisted Turbocharged Automotive Diesel Engine, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği, 2015

Postgraduate, Investigation of Nanoparticle Additives to the Biodiesel and Diesel Fuels for Improvement of the Performance and Exhaust Emissions in a Compression Ignition Engine, Cukurova University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2011

### Research Areas

Mechanical Engineering, Engineering and Technology

## Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği, 2018 - Continues  
Assistant Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Otomotiv Mühendisliği, 2016 - 2018  
Research Assistant, Cukurova University, Makine Mühendisliği, 2008 - 2015

## Academic and Administrative Experience

Cukurova University, Mühendislik Fakültesi, Otomotiv Mühendisliği Bölümü, 2016 - Continues

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

- I. **Effects of hydrogen addition into liquefied petroleum gas reductant on the activity of Ag-Ti-Cu/Cordierite catalyst for selective catalytic reduction system**  
Keskin Z., ÖZGÜR T., ÖZARSLAN H., YAKARYILMAZ A. C.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.10, pp.7634-7641, 2021 (SCI-Expanded)
- II. **Thermodynamic analysis of a Proton Exchange Membrane fuel cell**  
ÖZGÜR T., YAKARYILMAZ A. C.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.18007-18013, 2018 (SCI-Expanded)
- III. **A review: Exergy analysis of PEM and PEM fuel cell based CHP systems**  
ÖZGÜR T., YAKARYILMAZ A. C.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.43, no.38, pp.17993-18000, 2018 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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.  
MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.3, pp.51-61, 2017 (SCI-Expanded)
- VII. **Effect of Mgo Nanoparticule Additives on Performance and Exhaust Emmissions of Diesel Fuelled Compression Ignition Engine**  
ÖZGÜR T., TOSUN E., ÖZGÜR C., TÜCCAR G., AYDIN K.  
MAEJO INTERNATIONAL JOURNAL OF SCIENCE AND TECHNOLOGY, vol.3, no.3, pp.72-85, 2017 (SCI-Expanded)
- VIII. **Investigation of Nanoparticle Additives to Biodiesel for Improvement of the Performance and Exhaust Emissions in a Compression Ignition Engine**  
ÖZGÜR T., ÖZCANLI M., AYDIN K.  
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.12, no.1, pp.51-56, 2015 (SCI-Expanded)
- IX. **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)
- X. **Effect of diesel-microalgae biodiesel-butanol blends on performance and emissions of diesel engine**  
TÜCCAR G., ÖZGÜR T., AYDIN K.  
FUEL, vol.132, pp.47-52, 2014 (SCI-Expanded)
- XI. **Prediction of emissions of a diesel engine fueled with soybean biodiesel using artificial neural networks**  
ÖZGÜR T., TÜCCAR G., ÖZCANLI M., AYDIN K.

## Articles Published in Other Journals

- I. **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)
- II. **Development of a prototype hydrogen vehicle**  
Yakaryilmaz 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)
- III. **Performance, emission, energetic and exergetic analyses of a compression ignition engine fuelled with sunflower oil methyl esters**  
ÖZGÜR T.  
International Journal of Automotive Engineering and Technologies, vol.8, no.2, pp.70-75, 2019 (Peer-Reviewed Journal)
- IV. **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.  
EUROPEAN MECHANICAL SCIENCE, vol.1, no.1, pp.15-23, 2017 (Peer-Reviewed Journal)
- V. **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.  
EUROPEAN MECHANICAL SCIENCE, vol.1, no.1, pp.15-23, 2017 (Peer-Reviewed Journal)
- VI. **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.  
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. **Analysis of Engine Performance Parameters of Electrically Assisted Turbocharged Diesel Engine**  
ÖZGÜR T., AYDIN K.  
Applied Mechanics and Materials, vol.799-800, pp.861-864, 2015 (Peer-Reviewed Journal)
- IX. **Determination of the Impacts of Nanoparticule Additives into Diesel Fuel on NO<sub>x</sub> Emmision Characteristics of a Heavy Duty Diesel Engine**  
ÖZGÜR C., ÖZGÜR T., ÖZCANLI M., AYDIN K.  
Applied Mechanics and Materials, vol.799-800, pp.857-860, 2015 (Peer-Reviewed Journal)
- X. **PERFORMANCE AND EMISSIONS CHARACTERISTICS OF A DIESEL ENGINE FUELLED WITH ETHANOL ADDITIVE IN DIESEL-SOYBEAN BIODIESEL FUEL BLEND**  
ULUDAMAR E., ÖZGÜR C., ÖZGÜR T., AYDIN K.  
The Journal of MacroTrends in Energy and Sustainability, vol.3, pp.15-23, 2015 (Peer-Reviewed Journal)
- XI. **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)
- XII. **Investigation Effects of Metal Oxide Nanoparticule Additives into Diesel Fuel**  
ÖZGÜR T., AYDIN K.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Characterization and low-temperature DeNO<sub>x</sub> Performance of Copper-based Y-Zeolite Catalyst for Selective Catalytic Reduction System**  
YAKARYILMAZ A. C., KESKİN A., ÖZGÜR T.  
7th International Mediterranean Science and Engineering Congress (IMSEC 2022), Antalya, Turkey, 24 October 2022, pp.178
- II. **Recent Advances in NO<sub>x</sub> Abatement Performance of Copper-Based Zeolite Catalysts in Hydrocarbon Selective Catalytic Reduction Systems**  
Yakaryılmaz A. C., Özgür T.  
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.654-656
- III. **Assessment of Hydrogen Utilization in Compression Ignition Engines as a Sustainable Fuel: An Overview**  
Tosun E., Özcanlı M., Akar M. A., Özgür T., Serin H.  
6th International Mediterranean Science and Engineering Congress (IMSEC 2021), Antalya, Turkey, 25 - 27 October 2021, pp.448
- IV. **Performance And Emission Characteristics Of A Diesel Engine Equipped With A Dual Renewable Oxyhydrogen (HHO) Gas Generation System**  
YAKARYILMAZ A. C., ÖZGÜR T., ÖZCANLI M.  
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020
- V. **A Short Review on Water Emulsified Fuel Effects on Engine Performance and Emission Characteristics**  
Tosun E., Özcanlı M., Özgür T., Akar M. A., Serin H.  
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Antalya, Turkey, 21 - 23 October 2020, pp.374-378
- VI. **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
- VII. **Addition of hydrogen into LPG reductant in SCR system with Ag-Ti-Cu/Al<sub>2</sub>O<sub>3</sub> catalyst**  
ÖZARSLAN H., YAKARYILMAZ A. C., ÖZGÜR T., KESKİN A.  
4th International Mediterranean Science and Engineering Congress (IMSEC 2019), 25 - 27 April 2019, pp.1110
- VIII. **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
- IX. **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
- X. **Effect of bioethanol blending with gasoline on emissions characteristics with spark plug alteration for SI engine**  
AKAR M. A., BAŞ O., ÖZGÜR T., ÖZCANLI M.  
European Biotechnology Congress, Athens, Greece, 26 - 28 April 2018, vol.280
- XI. **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

- XII. **Improvement of Operational Characteristics of Sesame Oil in a Compression Ignition Engine with Small Fraction of Hydrogen Enrichment**  
ÖZGÜR T., YILDIZHAN Ş., ÖZGÜR C., AYDIN K., SERİN H.  
3rd International Hydrogen Technologies Congress (IHTEC 2018), Antalya, Turkey, 15 - 18 March 2018, pp.173
- XIII. **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
- XIV. **Review: Alternative Design Methodologies of Impact Attenuators**  
Büyük N., ÖZGÜR T., ÖZCANLI M.  
2nd International Mediterranean SCIENCE AND ENGINEERING CONGRESS, 25 - 27 October 2017
- XV. **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
- XVI. **A review of exergy analysis of both PEM fuel cells and CHP systems based on PEM fuel cell**  
ÖZGÜR T., YAKARYILMAZ A. C.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2295
- XVII. **Thermodynamic Analysis of a Proton Exchange Membrane Fuel Cell**  
ÖZGÜR T., YAKARYILMAZ A. C.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2296
- XVIII. **Review : Alternative Design Methodologies of Impact Attenuators**  
BÜYÜK N., ÖZCANLI M., ÖZGÜR T.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.2283-2288
- XIX. **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
- XX. **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
- XXI. **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
- XXII. **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
- XXIII. **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

- XXIV. **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
- XXV. **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
- 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. **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
- XXVIII. **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
- XXIX. **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
- XXX. **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
- XXXI. **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
- XXXII. **Theoretical determination of maximum biodiesel blend ratios according to kinematic viscosity values**  
ÖZCANLI M., DEDE G., ÖZGÜR C., ÖZGÜR T.  
European Biotechnology Conference, Latvia, 5 - 07 May 2016, vol.231
- XXXIII. **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
- XXXIV. **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
- XXXV. **Performance and Emissions Characteristics of a Diesel Engine Fuelled With Ethanol Additive in Diesel-Soybean Biodiesel Fuel Blend**  
ULUDAMAR E., ÖZGÜR C., ÖZGÜR T., AYDIN K.

The MacroJournals Conference on Medicine, Science, and Technology, Dubrovnik, Croatia, 3 - 04 August 2015, vol.3, no.1, pp.15-23

- XXXVI. **Determination of the Impacts of Nanoparticule Additives into diesel fuel on NOx Emmision Characteristics of a Heavy Duty Diesel Engine**  
ÖZGÜR C., ÖZGÜR T., ÖZCANLI M., AYDIN K.  
The 2nd International Conference on Sensors and Materials Manufacturing Science 2015, Paris, France, 17 - 18 January 2015, pp.1-5
- XXXVII. **Analysis Of Engine Performance Parameters Of Electrically Assisted Turbocharged Diesel Engine**  
ÖZGÜR T., AYDIN K.  
The 2nd International Conference on Sensors and Materials Manufacturing Science 2015, Paris, France, 17 - 18 January 2015, pp.1-5
- XXXVIII. **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
- XXXIX. **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
- XL. **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
- XLI. **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
- XLII. **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
- XLIII. **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
- XLIV. **Experimental Investigation of Engine Performance and Emission Characteristics of a Diesel Engine Using Blends Containing Microalgae Biodiesel, n-butanol and diesel fuel**  
Tüccar G., ÖZGÜR T., YAŞAR A., AYDIN K.  
Proceedings of 2014 5th International Conference on Environmental Science and Technology, Gdansk, Poland, 14 - 16 May 2014
- XLV. **Experimental Investigation of Engine Performance and Emission Characteristics of a Diesel Engine Using Blends Containing Microalgae Biodiesel, n-Butanol and Diesel Fuel**  
TÜCCAR G., ÖZGÜR T., YAŞAR A., AYDIN K.  
5th International Conference on Environmental Science and Technology, Gdansk, Poland, 14 - 16 May 2014, pp.1-5
- XLVI. **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

- XLVII. **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
- XLVIII. **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
- XLIX. **Improvement of Microalgae Biodiesel with Ricinus Communis Oil Biodiesel Addition**  
TÜCCAR G., ÖZGÜR T., ÖZCANLI M., AYDIN K.  
ICAMAME 2013 : International Conference on Aerospace, Mechanical, Automotive and Materials Engineering, Bali, Indonesia, 30 - 31 October 2013, pp.1579-1583
- L. **Preparation of fuels by cracking of different plastics and their blends with diesel fuel**  
SERİN H., ÖZGÜR C., ÖZCANLI M., AYDIN K., ÖZGÜR T.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24
- LI. **Çay çekirdeği camella sinensis biyodizelinin yakıt özelliklerinin incelenmesi**  
TÜCCAR G., SERİN H., GÖKÇE M. K., ÖZGÜR T., ULUDAMAR E.  
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Turkey, 21 - 22 October 2011
- LII. **Performance and Emission Studies of Diesel Engine Running with %5 Polyethylene Diesel Fuel Additive**  
ÖZGÜR C., ÖZGÜR T., SERİN H., AYDIN K.  
6th International Ege Energy Symposium & Exhibition, İzmir, Turkey, 28 - 30 June 2012, pp.318-326
- LIII. **Effect of nanoparticle additives on NOx emissions of diesel fueled compression ignition engine**  
ÖZGÜR T., Tüccar G., ULUDAMAR E., YILMAZ A. C., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.  
6th International Ege Energy Symposium & Exhibition, İzmir, Turkey, 28 - 30 June 2012, pp.308-317
- LIV. **Effect Of Nanoparticle Additives on NOx Emissions of Diesel Fueled Compression Ignition Engine**  
ÖZGÜR T., TÜCCAR G., ULUDAMAR E., GÜNGÖR C., ÖZCANLI M., SERİN H., AYDIN K.  
6 th International Ege Energy Symposium & Exhibition Proceedings, İzmir, Turkey, 28 - 30 June 2012, pp.308-317
- LV. **Effect of nanoparticle additives on NOx emissions of diesel fueled compression ignition engine**  
ÖZGÜR T., Tüccar G., ULUDAMAR E., YILMAZ A. C., ÖZGÜR C., ÖZCANLI M., SERİN H., AYDIN K.  
6th International Ege Energy Symposium & Exhibition, İzmir, Turkey, 28 - 30 June 2012, pp.308-317
- LVI. **Bio-Based Additive Effect on Performance and Emission Characteristics of a Diesel Engine Fueled with Palm Oil Methyl Ester**  
ÖZCANLI M., SERİN H., ÖZGÜR T., Sarıbiyık O. Y., AYDIN K.  
Car 2011 International Automotive Congress, Pitesti, Romania, 2 - 04 November 2011, pp.1-10
- LVII. **Çay Çekirdeği (Camella Sisensis) Biyodizelinin Yakıt Özelliklerinin İncelenmesi**  
Tüccar G., SERİN H., Gökçe M. K., ÖZGÜR T., AYDIN K.  
V. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 21 - 22 October 2011, pp.127-131
- LVIII. **Çay Çekirdeği (Camellia Sinensis) Biyodizelinin Yakıt Özelliklerinin İncelenmesi**  
Tüccar G., SERİN H., Gökçe M. K., ÖZGÜR T., ULUDAMAR E., AYDIN K.  
VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Kayseri, Turkey, 3 - 06 October 2011, pp.127-131
- LIX. **Investigation of Nanoparticle Additives to Biodiesel for Improvement of the Performance and Exhaust Emissions in a Compression Ignition Engine**  
ÖZGÜR T., ÖZCANLI M., AYDIN K.  
International Green Energy Conference Proceedings, Eskişehir, Turkey, 5 - 09 June 2011, pp.1-9
- LX. **Investigation of Nanoparticle Additives to Biodiesel for Improvement of the Performance and Exhaust Emissions in a Compression Ignition Engine**  
ÖZGÜR T., ÖZCANLI M., AYDIN K.  
International Green Energy Conference Proceedings, Eskişehir, Turkey, 5 - 09 June 2011, pp.1-9
- LXI. **Investigation of Nanoparticle Additives to Biodiesel for Improvement of the Performance and**



### **Exhaust Emissions in a Compression Ignition Engine**

ÖZGÜR T., ÖZCANLI M., AYDIN K.

International Green Energy Conference Proceedings, Eskişehir, Turkey, 5 - 09 June 2011, pp.1-9

### **LXII. Nanopartikül Katkılarının Dizel Motor Yakıt Özelliklerine ve Motor Performans ve Emisyonuna Etkilerinin İncelenmesi**

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

Anadolu Enerji Sempozyumu, Elazığ, Turkey, 2 - 04 June 2011, pp.310-319

### **LXIII. Kanola Biyodizeli, Diizopropil Eter ve Motorin Karışımlarının Yakıt Özelliklerinin ve Motor Performans Değerlerinin İncelenmesi**

TÜCCAR G., ÖZGÜR C., DEMİRAY A., ABDULVAHİTOĞLU A., ÖZGÜR T., AYDIN K.

Yeni ve Yenilenebilir Enerji Kaynakları Enerji Yönetimi Sempozyumu, Kayseri, Turkey, 16 - 17 October 2009, pp.86-92

## **Supported Projects**

AKAR M. A., ÖZGÜR T., Vural B., Project Supported by Higher Education Institutions, Bir Model Kara Taşıtının (Ahmed Body) Geometrik Modifikasyonlarının Hesaplamalı Akışkanlar Dinamiği Analizi ve Optimizasyonu, 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

ÖZCANLI M., ÖZGÜR T., Project Supported by Higher Education Institutions, Design and Development of Formula Student Race Car, 2017 - 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

AYDIN K., ÖZGÜR T., ELBAŞI H., Project Supported by Higher Education Institutions, İÇTEN YANMALI MOTORLARDAN ATIK ISI ENERJİSİNİN GERİ DÖNÜŞTÜRÜLMESİ VE HİDROJEN DESTEKLİ YAKIT SİSTEMİNDE KULLANILMASI, 2015 - 2016

AYDIN K., ÖZGÜR T., Project Supported by Higher Education Institutions, Alkol Katkılı Biyodizel ve Dizel Karışımlarının Yakıt Özelliklerinin Belirlenmesi, Motor Performans ve Emisyonlarına Etkilerinin İncelenmesi, 2013 - 2015

## **Scientific Refereeing**

International Journal of Green Energy, SCI Journal, March 2014

International Journal of Green Energy, SCI Journal, March 2014

International Journal of Green Energy, SCI Journal, March 2013

## **Metrics**

Publication: 87

Citation (WoS): 308

Citation (Scopus): 414

H-Index (WoS): 7

H-Index (Scopus): 7

## **Congress and Symposium Activities**

The 2nd International Conference on Sensors and Materials Manufacturing Science 2015, Attendee, Paris, France, 2015

International Conference on Automotive and Vehicle Technologies 2014, Attendee, İstanbul, Turkey, 2014

The 5th International Conference on Mechanical and Aerospace Engineering (ICMAE 2014), Attendee, Madrid, Spain, 2014

European Biotechnology Congress, Attendee, Bratislava, Slovakia, 2013

6th International Ege Energy Symposium & Exhibition, Attendee, İzmir, Turkey, 2012

VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, Attendee, Kayseri, Turkey, 2011

Anadolu Enerji Sempozyumu, Attendee, Elazığ, Turkey, 2011

International Green Energy Conference, Attendee, Eskişehir, Turkey, 2011

V. Yeni ve Yenilenebilir Enerji Kaynakları Enerji Yönetimi Sempozyumu, Attendee, Kayseri, Turkey, 2009