

Assoc. Prof.  
Orkun  
ÖZENER



### Personal Information

Office Phone: [+90 212 383 2900](tel:+902123832900)

Email: [oozener@yildiz.edu.tr](mailto:oozener@yildiz.edu.tr)

Web:

<https://avesis.yildiz.edu.tr/oozener>

Address: [oozener@yildiz.edu.tr](mailto:oozener@yildiz.edu.tr)



### International Researcher IDs

ORCID: 0000-0001-9168-5161

Yoksis Researcher ID: 173736

### Education Information

Doctorate, Yildiz Technical University,  
Graduate School Of Natural And  
Applied Sciences, Department Of  
Mechanical Engineering, Turkey 2007  
- 2012

Postgraduate, Yildiz Technical  
University, Graduate School Of Natural  
And Applied Sciences, Department of  
Mechanical Engineering, Turkey 2004  
- 2007

Undergraduate, Yildiz Technical  
University, Faculty Of Mechanical  
Engineering, Department Of  
Mechanical Engineering, Turkey 1999  
- 2003

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Optimization of pilot injection strategies in diesel engines from performance and emission perspective- An experimental and 1D Simulation Research, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Department of Mechanical Engineering, 2013

Postgraduate, Laminar flame speed measurement of alternative and conventional fuels that is used in internal combustion engines , Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Department of Mechanical Engineering, 2007

### Research Areas

Mechanical Engineering, Thermodynamics, Internal Combustion Engines

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2020 - Continues  
Assistant Professor, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2014 - 2021  
Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, 2005 - 2014

## Advising Theses

Özener O., MODELING OF POWERTRAIN SYSTEM IN SPECIAL-PURPOSE VEHICLES, Postgraduate, O.BURAN(Student), Continues  
Özener O., An Analysis of Alternative Hybrid Powertrain Systems for Commercial Vehicles, Postgraduate, E.BEŞLER(Student), Continues  
Özener O., Development of Fault Detection Algorithms in Electrified Powertrains Test Systems, Postgraduate, B.ARSLAN(Student), Continues  
Özener O., MODELING AND INVESTIGATION OF THE USE OF HYDROGEN AS A FUEL IN NEW GENERATION INTERNAL COMBUSTION ENGINES, Doctorate, F.AKAR(Student), Continues  
Özener O., HYDROGEN SPRAY INVESTIGATION WITH SIMULATION METHOD, Postgraduate, A.TARIK(Student), Continues  
Özener O., 1D COMBUSTION MODELLING OF AN HYDROGEN ENGINE, Postgraduate, E.BEŞBİLEK(Student), Continues  
Özener O., Modelling and optimization of a race car powertrain system, Postgraduate, G.KONUĞ(Student), 2022  
Özener O., Diesel hybrid powertrain system optimisation, Postgraduate, Y.KARACA(Student), 2022  
Özener O., 1D Thermodynamic modelling and performance calibration optimization of a race car engine, Postgraduate, A.PEKER(Student), 2021  
Özener O., Development of a coking resistant diesel injector nozzle geometry , Postgraduate, V.GAZİ(Student), 2019  
Özener O., İçten yanmalı motorlarda geliştirme testlerinde kullanılan silindir içi basınç sensörlerinin doğruluğunu kontrol eden sanal motor modeli oluşturulması, Postgraduate, O.DOĞUKAN(Student), 2019  
Özener O., Modelling and optimization of an electrified public transportation vehicle , Postgraduate, G.ZEYNEP(Student), 2019  
Özener O., Modelling of nitrogen oxides in internal combustion engines, Postgraduate, N.DÖNMEZ(Student), 2019  
Özener O., Development of air mass flowmeter adaptation in diesel engines , Postgraduate, E.KOSİF(Student), 2018

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

- I. **Numerical investigation of in-cylinder gas motion dynamics in a heavy-duty direct injection hydrogen internal combustion engine**  
Akar F., ÖZENER O.  
International Journal of Hydrogen Energy, vol.86, pp.730-741, 2024 (SCI-Expanded)
- II. **EXPERIMENTAL INVESTIGATION OF LOW TEMPERATURE COMBUSTION IN A DIESEL ENGINE DEPENDING ON INJECTION ADVANCE AND INJECTION PRESSURE**  
GEZER O., ÖZENER O., ÖZKAN M.  
Thermal Science, vol.28, no.5, pp.3951-3966, 2024 (SCI-Expanded)
- III. **The effect of multiple injection on CI engine pollutant emissions and green house gases**  
Albayrak A., GEZER O., ÖZENER O., Büyük C., ÖZKAN M.  
Fuel, vol.349, 2023 (SCI-Expanded)
- IV. **The impact of bus passenger occupancy, heating ventilation and air conditioning systems on energy consumption and CO2 emissions**  
Zacharof N., ÖZENER O., Broekaert S., ÖZKAN M., Samaras Z., Fontaras G.  
Energy, vol.272, 2023 (SCI-Expanded)
- V. **Evaluation of pollutant emissions generated at bus stops**  
Özener O., Gezer O., Özkan M.  
FUEL, no.310, pp.1-10, 2022 (SCI-Expanded)
- VI. **Numerical Investigation and Multi-Objective Optimization of Internal EGR and Post-Injection Strategies on**

**the Combustion, Emission and Performance of a Single Cylinder, Heavy-Duty Diesel Engine**

Akgül V., Özener O., Büyük C., Özkan M.

Energies, vol.14, no.1, pp.1-15, 2021 (SCI-Expanded)

- VII. **Fuel consumption and emission evaluation of a rapid bus transport system at different operating conditions**  
Özener O., Özkan M.  
FUEL, vol.265, 2020 (SCI-Expanded)
- VIII. **ASSESSMENT OF REAL DRIVING EMISSIONS OF A BUS OPERATING ON A DEDICATED ROUTE**  
Özener O., Özkan M.  
THERMAL SCIENCE, vol.24, no.1, pp.63-73, 2020 (SCI-Expanded)
- IX. **A FUEL CONSUMPTION MODEL FOR PUBLIC TRANSPORTATION WITH 3D ROAD GEOMETRY APPROACH**  
ÖZENER O., ÖZKAN M., ORAK E., ACARBULUT G.  
THERMAL SCIENCE, vol.22, no.3, pp.1505-1514, 2018 (SCI-Expanded)
- X. **MODELLING ANALYSIS OF MULTIPLE DIESEL INJECTION STRATEGIES WITH ONE-DIMENSIONAL SIMULATION COUPLED WITH ARTIFICIAL NEURAL NETWORKS**  
Özener O., Özkan M., Yüksek L.  
THERMAL SCIENCE, vol.21, no.1, pp.413-425, 2017 (SCI-Expanded)
- XI. **REAL DRIVING EMISSIONS AND FUEL CONSUMPTION CHARACTERISTICS OF ISTANBUL PUBLIC TRANSPORTATION**  
ÖZENER O.  
THERMAL SCIENCE, vol.21, no.1, pp.655-667, 2017 (SCI-Expanded)
- XII. **MODELLING THE EFFECT OF INJECTION PRESSURE ON HEAT RELEASE PARAMETERS AND NITROGEN OXIDES IN DIRECT INJECTION DIESEL ENGINES**  
Yüksek L., Sandalcı T., Özener O., Ergenç A. T.  
THERMAL SCIENCE, vol.18, no.1, pp.155-168, 2014 (SCI-Expanded)
- XIII. **Effects of soybean biodiesel on a DI diesel engine performance, emission and combustion characteristics**  
Özener O., Yüksek L., Ergenç A. T., Özkan M.  
FUEL, vol.115, pp.875-883, 2014 (SCI-Expanded)
- XIV. **Experimental study on energy and exergy analyses of a diesel engine performed with multiple injection strategies: Effect of pre-injection timing**  
ÖZKAN M., OZKAN D. B., OZENER O., YILMAZ H.  
APPLIED THERMAL ENGINEERING, vol.53, no.1, pp.21-30, 2013 (SCI-Expanded)
- XV. **ARTIFICIAL NEURAL NETWORK APPROACH TO PREDICTING ENGINE-OUT EMISSIONS AND PERFORMANCE PARAMETERS OF A TURBO CHARGED DIESEL ENGINE**  
Özener O., Yüksek L., Özkan M.  
THERMAL SCIENCE, vol.17, no.1, pp.153-166, 2013 (SCI-Expanded)
- XVI. **Cycle-skipping strategies for pumping loss reduction in spark ignition engines: An experimental approach**  
Yüksek L., Özener O., Sandalcı T.  
ENERGY CONVERSION AND MANAGEMENT, vol.64, pp.320-327, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **CO2 Analyses With Model-Based Regulatory Tools: Vecto Application For İstanbul Public Transportation Case**  
Özener O., Gezer O., Özkan M., Zacharof N., Fontaras G.  
International Journal of Energy for a Clean Environment, vol.23, no.1, pp.85-96, 2022 (Scopus)
- II. **Simulating City-Bus On-Road Operation With VECTO**  
Özener O., Özkan M., Kilicaslan A., Fontaras G., Zacharof N.  
Frontiers in Mechanical Engineering, vol.5, no.58, pp.1-13, 2019 (ESCI)
- III. **An Assessment of Real-World Driving Emissions and Fuel Consumption of a Diesel Bus with Using a Portable Emissions and Fuel Consumption Measurement System: İstanbul Bus Rapid Transit-Metrobus**  
ÖZENER O.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.3, pp.765-774, 2019 (Peer-Reviewed Journal)
- IV. **Modeling of Peak value in Cylinder Firing Pressure in Diesel Engines using Artificial Neural Network**

## **Methodology**

Bozdağ O. D., Özener O.

International Journal of Engineering Research and Advanced Technology (IJERAT), vol.5, no.4, pp.19-23, 2019 (Peer-Reviewed Journal)

- V. **Modeling of NOx Emissions in Internal Combustion Engine**  
Özener O., Dönmez N.  
International Journal of Engineering Research and Advanced Technology (IJERAT), vol.5, no.4, pp.36-43, 2019 (Peer-Reviewed Journal)
- VI. **An Electric Public Transportation Vehicle Modelling and Comparison with Conventional Diesel Vehicle**  
Avcı G. Z., Özener O.  
International Journal of Engineering Research and Advanced Technology (IJERAT), vol.5, no.4, pp.59-66, 2019 (Peer-Reviewed Journal)
- VII. **Atık yağ biyodizelinin farklı sıkıştırma oranlarındaki dizel motorlarda kullanımının uygunluğunun araştırılması.**  
Yüksek L., Özener O., Kızılkın V., Arslan H. E.  
DÜMF Mühendislik Dergisi, vol.9, no.2, pp.765-774, 2018 (Peer-Reviewed Journal)
- VIII. **ISTANBUL METROBUS LINE FUEL CONSUMPTION OPTIMIZATION VIA 3D ROAD MODEL BY USING AVL CRUISE IPG TRUCK MAKER CO-SIMULATION**  
ÖZENER O., ÖZKAN M., ORAK E., KURAL E., ALLOUCHERY L., ACARBULUT G.  
INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY, vol.1, no.2, pp.100-104, 2017 (Peer-Reviewed Journal)
- IX. **An Experimental NOx Reduction Potential Investigation Of The Partial HCCI Application, On A High Pressure Fuel Injection Equipped Diesel Engine By Implementing Fumigation Of Gasoline Port Injection**  
Ergenç A. T., Yüksek L., Özener O., Işın Ö.  
International Journal of Fuels, Fire and Combustion in Engineering (FCE), vol.1, no.2, pp.12-15, 2016 (Peer-Reviewed Journal)
- X. **Determination of Optimum Compression Ratio: A Tribological Aspect**  
Yüksek L., Özener O., Kaleli H.  
Tribology in Industry, vol.35, no.4, pp.270-275, 2013 (Scopus)
- XI. **Performance, emission, and heat release analyses of a direct injection diesel engine running on diesel and soybean ester blends**  
Ergenç A. T., Yüksek L., Özener O.  
Turkish Journal of Engineering and Environmental Sciences, vol.37, no.1, pp.23-32, 2013 (Scopus)
- XII. **Optimization of Fuel Consumption of a Bus Used in City Line with Regulation of Driving Characteristics**  
ÖZKAN M., Özener O., Yavaşlı İ.  
Engineering and Technology, no.61, pp.924-930, 2012 (Scopus)
- XIII. **EMISSION AND PERFORMANCE INVESTIGATION of RAPESEED METHYL ESTER AND DIESEL FUEL**  
Ergenç A. T., Özener O., Yüksek L., Onur A.  
International Virtual Journal for Science, Technics Inovations for The Indusrtly Machines Technologies Materials, vol.10, pp.22-25, 2010 (Peer-Reviewed Journal)
- XIV. **The Effect and Comparison of Biodiesel Diesel Fuel on Crankcase Oil Diesel Engine Performance**  
Yüksek L., Özener O., Berk Ö., Kaleli E. H.  
FME TRANSACTIONS, vol.37, no.2, pp.91-97, 2009 (ESCI)
- XV. **The Effect and Comparison of Biodiesel-Diesel Fuel on Crankcase Oil, Diesel Engine Performance and Emissions**  
Yüksek L., Kaleli E. H., Özener O., Berk Ö.  
FME TRANSACTIONS, vol.37, no.2, pp.91-97, 2009 (ESCI)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **INVESTIGATION OF THE EFFECT OF DIESEL INJECTOR NOZZLE GEOMETRY ON COKING PHENEMONA**  
Özener O., Ergenç A. T., Kaya A., Gazi V.  
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.45-50

- II. **THE EFFECT OF MULTIPLE INJECTION ON CI ENGINE POLLUTANT EMISSIONS AND GREEN HOUSE GASES**  
Albayrak A., Gezer O., Özener O., Büyük C., Özkan M.  
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.79-84
- III. **An Analysis of a Heavy-Duty Diesel Truck Powertrain System Hybridization**  
Özener O., Karaca Y., Bayburtlu C., Yiğit H. K.  
16th International Combustion Symposium (INCOS2022), Aydın, Turkey, 8 - 11 September 2022, pp.155-157
- IV. **DİZEL ENJEKTÖR MEME GEOMETRİSİNİN KURUMLAŞMA OLGUSUNA ETKİSİNİN İNCELENMESİ**  
Özener O., Ergenç A. T., Kaya A., Gazi V., Gölbaşı E.  
10th International Automotive Technologies Congress, OTEKON 2020, Bursa, Turkey, 6 - 07 September 2021, pp.112-118
- V. **ASSESSMENT ON HYBRIDIZATION OF HEAVY-DUTY LONG-HAUL DIESEL TRUCK POWERTRAIN**  
Özener O., Karaca Y., Yiğit H. K., Bayburtlu C.  
10th International Automotive Technologies Congress-OTKON 2020, Bursa, Turkey, 6 - 07 September 2021, pp.1359-1364
- VI. **POWERTRAIN SIZING AND DRIVE LINE OPTIMIZATION OF A FORMULA STUDENT ELECTRIC CAR**  
Konuk G., Özener O., Ergenç A. T.  
10th Automotive Technologies Congress- OTEKON 2020, Bursa, Turkey, 6 - 07 September 2021, pp.314-319
- VII. **Effect of auxiliary usage on bus CO2 emissions through vehicle simulation**  
Zacharof N., Özener O., Özkan M., Gezer O., Broekaert S., Fontaras G., Samaras Z.  
24th Transport and Air Pollution Conference, 30 March - 01 April 2021, pp.1
- VIII. **One dimensional engine modeling and calibration optimization: Racing car gasoline engine case**  
Peker A., Özener O., Ergenç A. T.  
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, pp.163-167
- IX. **Evaluation of Pollutant Emissions Generated at Bus Stops**  
Özener O., Gezer O., Özkan M.  
8th International Conference on Renewable Fuels, Combustion and Fire (FCE'21), Ankara, Turkey, 5 - 07 March 2021, pp.304-308
- X. **CO2 Analyses With Model Based Regulatory Tools: VECTO Application For İstanbul Public Transportation Case**  
Özener O., Özkan M., Gezer O., Zacharof N., Fontaras G.  
15th INTERNATIONAL COMBUSTION SYMPOSIUM, 17 - 19 September 2020, pp.177-182
- XI. **Dizel enjektör memesinin sıcaklık değişiminin incelenmesi**  
Ergenç A. T., Özener O., Akpınar G., Eyüboğlu S., Kaya A., Karayel B.  
15th International Combustion Symposium, Kayseri, Turkey, 17 - 19 September 2020, pp.202-206
- XII. **REAL DRIVING EMISSIONS ASSESSMENT FROM BUS RAPID TRANSPORTSYSTEMS: ISTANBUL METROBUS**  
ÖZENER O., ÖZKAN M.  
7th INTERNATIONAL FUELS, COMBUSTION AND FIRE CONFERENCE IN ENGINEERING (FCE 19), Antalya, Turkey, 10 - 13 March 2019, pp.305-310
- XIII. **TEK SİLİNDİRLİ SIKIŞTIRMA ATEŞLEMELİ BİR MOTORDA POST ENJEKSİYON ZAMANLAMA VE SURECİNİN EGZOZ GAZ EMİSYONLARINA ETKİSİNİN DENEYSEL OLARAK İNCELENMESİ**  
ÖZENER O., GEZER O., ÖZKAN M., ÖZCAN E., BÜYÜK C., GÜÇLÜ M., KILIÇASLAN A.  
7th INTERNATIONAL FUELS, COMBUSTION AND FIRE CONFERENCE IN ENGINEERING (FCE 19), Antalya, Turkey, 10 - 13 March 2019, pp.311-315
- XIV. **The Use of VECTO for the Evaluation and Optimization of Publica Transport CO2 emissions**  
ÖZENER O., ÖZKAN M., Kılıçaslan A., Zacharof N., Fontaras G., Samaras Z.  
23rd International Transport and Air Pollution Conference, SELANİK, Greece, 15 - 17 May 2019
- XV. **Dizel Enjektörlerinde Kurumlaşma OlgusununAnalizi**  
ERGENÇ A. T., ÖZENER O., KAYA A., GAZI V., GÖLBAŞI E.  
4th International Meditarian Science and Engineering Congress (IMSEC 2019), Antalya, Turkey, 25 - 27 April 2019
- XVI. **PARAMETERS EFFECTING PUBLIC TRANSPORTATION FUEL CONSUMPTION**  
ÖZENER O.  
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 December 2018, pp.1
- XVII. **Real driving emissions and fuel consumption characteristics of a public bus line on a partly dedicated route**  
ÖZENER O., ÖZKAN M., ORAK E., ACARBULUT G.

- 9th International Automotive Technologies Congress, Bursa, Turkey, 07 May 2018, pp.901-909
- XVIII. Real driving emissions and fuel consumption characteristics of a public bus line on a partly dedicated route**  
ÖZENER O., ÖZKAN M., ORAK E., ACARBULUT G.  
9th International Automotive Technologies Congress, Bursa, Turkey, 7 - 09 May 2018, pp.901-908
- XIX. Development of the mass airflow sensor adaptation on diesel engine**  
ÖZENER O., KOSİF E.  
9th International Automotive Technologies Congress, Bursa, Turkey, 07 May 2018, pp.943-959
- XX. An analysis of public bus system real driving emissions that is using dedicated route**  
ÖZENER O., ÖZKAN M.  
14th International Combustion Symposium, Karabük, Turkey, 25 April 2018, pp.88-93
- XXI. Doe approach for minimum fuel consumption under legislated and real driving cycles**  
ÖZENER O.  
4th Anatolian Energy Symposium with International Participation, Edirne, Turkey, 18 April 2018, pp.1513-1522
- XXII. ISTANBUL METROBUS LINE FUEL CONSUMPTION OPTIMIZATION VIA 3D ROAD MODEL BY USING AVL CRUISE & IPG TRUCK MAKER CO-SIMULATION**  
ÖZENER O., ÖZKAN M., ORAK E., KURAL E., ALUOUCHERY L., ACARBULUT G.  
1th INTERNATIONAL CONFERENCE ON ADVANCES IN, İstanbul, Turkey, 11 October 2016, pp.1-5
- XXIII. AUTONOMOUS LAYOUT DESIGN ENGINEER –ALDE, FOR EFFICIENT PUBLIC TRANSPORTATION**  
ÖZKAN M., ÖZENER O., KÜÇÜKSAVLI S., GÜMÜŞ A.  
TRANSPORT RESEARCH AREANA 2016, Warszawa, Poland, 18 April 2016, pp.1
- XXIV. EFFECT OF USING NATURAL GAS DIESEL FUEL MIXTURES ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**  
KARAGÖZ Y., ÖZENER O., SANDALCI T.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL 2015 - ICES'xx1523-25 December 2015, Yıldız Technical University, İstanbul, Turkey, 23 - 25 December 2015
- XXV. EFFECT OF USING NATURAL GAS DIESEL FUEL MIXTURE ON PERFORMANCE AND EMISSIONS OF A COMPRESSION IGNITION ENGINE**  
KARAGÖZ Y., ÖZENER O., SANDALCI T.  
INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS ISTANBUL, 23 - 25 December 2015
- XXVI. Effects of soybean biodiesel on a diesel engine performance and combustion characteristics**  
ÖZENER O., YÜKSEK L., ERGENÇ A. T., ÖZKAN M.  
12th International Combustion Symposium, Kocaeli, Turkey, 24 - 26 May 2012, pp.158-165
- XXVII. AN EXPERIMENTAL NOX REDUCTION POTENTIAL INVESTIGATION OF THE PARTIAL HCCI APPLICATION ON A HIGH PRESSURE FUEL INJECTION EQUIPPED DIESEL ENGINE BY IMPLEMENTING FUMIGATION OF GASOLINE PORT INJECTION**  
ERGENÇ A. T., YÜKSEK L., ÖZENER O.  
FUELS AND COMBUSTION IN ENGINES, 31 March 2008 - 01 April 2012
- XXVIII. Comparison of Fuel Consumption and Emissions of an Urban Bus Fuelled with Diesel and Biodiesel Environmental Engineering and Management**  
ÖZKAN M., ÖZENER O., Özoğuz B., YÜKSEK L.  
ATINER 2009, 1 - 03 May 2009
- XXIX. Modelling the Effects on Fuel Costs when Farmers Produce their Own Biodiesel Fuel**  
ÖZKAN M., BERK Ö., ÖZENER O.  
3rd INTERNATIONAL SYMPOSIUM ON ENVIRONMENT, ATİNA, 22 - 25 May 2008, pp.67-76
- XXX. Modeling the Effects on Fuel Cost When Farmers Produce Their Own Biodiesel Fuel**  
ÖZKAN M., Özoğuz B., Özener O.  
3rd International Symposium on Environment, 01 May 2008, vol.1, pp.67-77
- XXXI. Comparison of Fuel Consumption and Emissions of an Urban Bus Fuelled with Diesel and Biodiesel**  
ÖZKAN M., Özener O., Özoğuz B., Yüksek L.  
3rd International Symposium on Environment, 01 May 2008, vol.1, pp.49-67
- XXXII. An experimental performance and exhaust emission investigation of biodiesel on compression ignition engines with different compression ratios**  
YÜKSEK L., ÖZENER O., ARSLAN H. E., KIZILKAN V.  
INTERNATIONAL CONFERENCE FUELS AND COMBUSTION IN ENGINES-FCE'07, 01 April 2008

## Supported Projects

Özener O., Ayayüksel H., TUBITAK Project, Development of a new generation diesel injector nozzle hole geometry that is resistant to coking phenomena , 2016 - 2019

Özener O., Özkan M., Industrial Thesis Project, NEW GENERATION EURO 6 HEAVY DUTY ENGINE DEVELOPMENT- MULTIPLE INJECTION STRATEGY AND LOW TEMPERATURE COMBUSTION, 2015 - 2017

Özener O., Lienkamp M., Other International Funding Programs, Global Drive eSprinter Concept, 2015 - 2016

Özener O., Özkan M., Industrial Thesis Project, Determination of Passenger Movement Characteristics According to ECE R 107 Regulation for Class 1 Low-Floor Vehicle Design, 2014 - 2015

Özener O., Ergenç A. T., Bey E., Akpınar G., TUBITAK Project, Increasing the usage area of low cost nozzle material in high temperature conditions in new generation diesel engine injectors, 2013 - 2014

Özener O., Özkan M., Development Agency, Measurement Based Modeling of IETT City Bus Fleet for Reducing Fuel Consumption and Emissions., 2013 - 2014

Özener O., Project Supported by Higher Education Institutions, Determination of Optimum, Pilot and After-Spray Strategies in Modern Diesel Engines, 2011 - 2012

Özener O., Sandalcı T., Project Supported by Higher Education Institutions, Determining and Comparing the Optimum EGR Strategy for the Case of Using Bio-Diesel in a Diesel Engine , 2006 - 2009

## Scientific Consultations

BOSCH SANAYİ VE TİCARET AŞ.- DIESEL SYSTEMS, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2015 - 2017

TECHNICAL UNIVERSITAT MUNCHEN (TUM), Project Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2015 - 2016

BOSCH SANAYİ VE TİCARET AŞ.- DIESEL SYSTEMS, Scientific Consultancy, Yildiz Technical University, Faculty Of Mechanical Engineering, Department Of Mechanical Engineering, Turkey, 2013 - 2015

## Metrics

Publication: 66

Citation (WoS): 486

Citation (Scopus): 672

H-Index (WoS): 5

H-Index (Scopus): 8

## Non Academic Experience

Mekanik Oto Bakım ve Servis Hizm. Ltd. Şti.