

# AHMET NECATİ ÖZSEZEN

## PROF.

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### International Researcher IDs

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### Learning Knowledge

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Doctorate 2001 - 2007	Kocaeli University, Fen Bilimleri Enstitüsü, Makine Eğitimi Anabilim Dalı, Turkey
Postgraduate 1998 - 2001	Kocaeli University, Fen Bilimleri Enstitüsü, Makine Eğitimi Anabilim Dalı, Turkey
Undergraduate 1994 - 1998	Kocaeli University, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü, Turkey

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### Academic Titles / Tasks

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Professor 2019 - Continues	Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği
Associate Professor 2012 - 2019	Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği
Assistant Professor 2009 - 2012	Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi
Research Assistant 1999 - 2009	Kocaeli University, Teknik Eğitim Fakültesi, Makina Eğitimi

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### Supported Projects

- ÖZSEZEN A. N., AYGÜL V., Project Supported by Higher Education Institutions, BUJİ ATEŞLEMELİ BİR MOTORDA ELEKTROMEKANİK SUPAP KONTROLÜ İLE SAĞLANAN MİLLER ÇEVİRİMİNİN YANMA PARAMETRELERİ ÜZERİNE ETKİSİNİN İNCELENMESİ, 2018 - Continues

### Scholarships

## Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Marmara Üniversitesi, February, 2024

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Marmara Üniversitesi, February, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi Üniversitesi, June, 2021

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kocaeli Üniversitesi, September, 2020

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Tekirdağ Namık Kemal Üniversitesi, November, 2019

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Nevşehir Hacı Bektaş Veli Üniversitesi, March, 2018

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

- 1. The effects of biodiesel produced from waste cooking oils on vibroacoustic properties of a heavy-duty diesel engine**  
Yıldırım H., Özsezen A. N., Çınar A.  
BIOFUELS-UK, vol.15, no.1, pp.81-88, 2024 (SCI-Expanded)
- 2. Effects of E-diesel on the combustion characteristics of a diesel engine operating at different boost pressures**  
Özsezen A. N.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.45, no.10, 2023 (SCI-Expanded)
- 3. Determination of combustion and emission characteristics of liquid Fischer-Tropsch diesel fuel synthesized from coal in a diesel engine**  
Hürpekli M., Necati Özsezen A. N.  
ENERGY CONVERSION AND MANAGEMENT, vol.292, 2023 (SCI-Expanded)
- 4. Effects of Supercharge Pressure on Combustion Characteristics of a Diesel Engine Fueled with Alcohol-Diesel Blends**  
Vargün M., Özsezen A. N., Türkcan A., Sayın C., Kılıçaslan İ.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.48, no.9, pp.12029-12042, 2023 (SCI-Expanded)
- 5. A study on the impact of fuel injection parameters and boost pressure on combustion characteristics in a diesel engine using alcohol/diesel blends**  
Vargün M., Özsezen A. N., Botsalı H., Sayın C.  
PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.177, pp.29-41, 2023 (SCI-Expanded)
- 6. Evaluation of the effect of the fuel injection phase on the combustion and exhaust characteristics in a diesel engine operating with alcohol-diesel mixtures**  
Vargün M., Özsezen A. N.  
ENERGY, vol.270, 2023 (SCI-Expanded)
- 7. Determination of optimal combustion conditions in a diesel engine operating on ethanol/diesel mixtures**  
Özsezen A. N., Vargün M., Kaya B., Türkcan A.  
JOURNAL OF THE ENERGY INSTITUTE, vol.107, 2023 (SCI-Expanded)

8. **Experimental investigation of combustion and exhaust emission values in a diesel engine using ethanol-butan-2-ol-diesel fuel blends**  
Vargün M., Özsezen A. N., Hurpekli M., Saym C.  
JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, vol.44, no.9, 2022 (SCI-Expanded)
9. **Investigation of Effect of Dual Fuel Injection Stages on Combustion Parameters in a Diesel Engine Using Ethanol-Butan-2-ol-Fossil Diesel Blends**  
Vargün M., Özsezen A. N.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.47, no.7, pp.9173-9185, 2022 (SCI-Expanded)
10. **Influence of pilot fuel injection and boost air pressure on combustion characteristics in a diesel engine fueled with Ethanol-Butan-2-ol-Fossil diesel blends**  
Özsezen A. N.  
FUEL, vol.314, 2022 (SCI-Expanded)
11. **Modelling and analysis of spring return electromagnetic valve actuator for SI engine**  
AYGÜL V., AYAZ M., ÖZSEZEN A. N.  
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.81, pp.1-18, 2019 (SCI-Expanded)
12. **An experimental and modeling study to investigate effects of different injection parameters on a direct injection HCCI combustion fueled with ethanol-gasoline fuel blends**  
Coskun G., Demir U., Soyhan H. S., TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M.  
FUEL, vol.215, pp.879-891, 2018 (SCI-Expanded)
13. **Effects of waste frying oil based methyl and ethyl ester biodiesel fuels on the performance, combustion and emission characteristics of a DI diesel engine**  
ŞANLI H., ÇANAKCI M., ALPTEKİN E., TÜRKCAN A., ÖZSEZEN A. N.  
FUEL, vol.159, pp.179-187, 2015 (SCI-Expanded)
14. **Using waste animal fat based biodiesels-bioethanol-diesel fuel blends in a DI diesel engine**  
ALPTEKİN E., ÇANAKCI M., ÖZSEZEN A. N., TÜRKCAN A., ŞANLI H.  
FUEL, vol.157, pp.245-254, 2015 (SCI-Expanded)
15. **The Investigation of Thermodynamics and Combustion Properties of Alcohol-Gasoline Blends in an SI Engine**  
ÖZSEZEN A. N.  
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.12, no.11, pp.1107-1112, 2015 (SCI-Expanded)
16. **AN EXPERIMENTAL AND MODELING STUDY TO INVESTIGATE EFFECTS OF TWO-STAGE DIRECT INJECTION VARIATIONS ON HCCI COMBUSTION**  
TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M., Coskun G., Soyhan H. S., Demir U.  
COMBUSTION SCIENCE AND TECHNOLOGY, vol.187, no.4, pp.642-658, 2015 (SCI-Expanded)
17. **Influences of second injection variations on combustion and emissions of an HCCI-DI engine: Experiments and CFD modelling**  
Coskun G., Soyhan H. S., Demir U., TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M.  
FUEL, vol.136, pp.287-294, 2014 (SCI-Expanded)
18. **Experimental investigation of the effects of different injection parameters on a direct injection HCCI engine fueled with alcohol-gasoline fuel blends**  
Turkcan A., Ozsezen A. N., ÇANAKCI M.  
FUEL PROCESSING TECHNOLOGY, vol.126, pp.487-496, 2014 (SCI-Expanded)
19. **Effects of second injection timing on combustion characteristics of a two stage direct injection gasoline-alcohol HCCI engine**  
Turkcan A., Ozsezen A. N., ÇANAKCI M.  
FUEL, vol.111, pp.30-39, 2013 (SCI-Expanded)
20. **Impact of alcohol-gasoline fuel blends on the exhaust emission of an SI engine**  
ÇANAKCI M., ÖZSEZEN A. N., ALPTEKİN E., Eyidogan M.  
RENEWABLE ENERGY, vol.52, pp.111-117, 2013 (SCI-Expanded)
21. **Using Preheated Crude Sunflower Oil as a Fuel in a Diesel Engine**

- Ozsezen A. N.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, no.5-8, pp.508-518, 2012 (SCI-Expanded)
22. **INVESTIGATION OF THE EFFECTS OF ETHANOL-GASOLINE AND METHANOL-GASOLINE BLENDS ON THE COMBUSTION PARAMETERS AND EXHAUST EMISSIONS OF A SPARK IGNITION ENGINE**  
EYİDOĞAN M., Canakci M., Ozsezen A. N., Alptekin E., Turkcan A., Kilicaslan I.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.3, pp.499-507, 2011 (SCI-Expanded)
23. **Performance and combustion characteristics of alcohol-gasoline blends at wide-open throttle**  
ÖZSEZEN A. N., ÇANAKCI M.  
ENERGY, vol.36, no.5, pp.2747-2752, 2011 (SCI-Expanded)
24. **Determination of performance and combustion characteristics of a diesel engine fueled with canola and waste palm oil methyl esters**  
Ozsezen A. N., ÇANAKCI M.  
ENERGY CONVERSION AND MANAGEMENT, vol.52, no.1, pp.108-116, 2011 (SCI-Expanded)
25. **Comparison of performance and combustion parameters in a heavy-duty diesel engine fueled with iso-butanol/diesel fuel blends**  
ÖZSEZEN A. N., Turkcan A., SAYIN C., ÇANAKCI M.  
ENERGY EXPLORATION & EXPLOITATION, vol.29, no.5, pp.525-541, 2011 (SCI-Expanded)
26. **The emission analysis of an IDI diesel engine fueled with methyl ester of waste frying palm oil and its blends**  
ÖZSEZEN A. N., ÇANAKCI M.  
BIOMASS & BIOENERGY, vol.34, no.12, pp.1870-1878, 2010 (SCI-Expanded)
27. **Impact of alcohol-gasoline fuel blends on the performance and combustion characteristics of an SI engine**  
Eyidogan M., Ozsezen A. N., ÇANAKCI M., Turkcan A.  
FUEL, vol.89, no.10, pp.2713-2720, 2010 (SCI-Expanded)
28. **The influence of operating parameters on the performance and emissions of a DI diesel engine using methanol-blended-diesel fuel**  
SAYIN C., ÖZSEZEN A. N., ÇANAKCI M.  
FUEL, vol.89, no.7, pp.1407-1414, 2010 (SCI-Expanded)
29. **Prediction of performance and exhaust emissions of a diesel engine fueled with biodiesel produced from waste frying palm oil**  
ÇANAKCI M., ÖZSEZEN A. N., Arcaklioglu E., ERDİL A.  
Expert Systems with Applications, vol.36, no.5, pp.9268-9280, 2009 (SCI-Expanded)
30. **PERFORMANCE AND COMBUSTION IN A DIRECT INJECTION DIESEL ENGINE FUELLED WITH WASTE PALM AND CANOLA OIL METHYL ESTERS**  
ÖZSEZEN A. N., ÇANAKCI M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.2, pp.275-284, 2009 (SCI-Expanded)
31. **Combustion analysis of preheated crude sunflower oil in an IDI diesel engine**  
ÇANAKCI M., ÖZSEZEN A. N., TÜRKCAN A.  
BIOMASS & BIOENERGY, vol.33, no.5, pp.760-767, 2009 (SCI-Expanded)
32. **Effect of Injection Pressure on the Combustion, Performance, and Emission Characteristics of a Diesel Engine Fueled with Methanol-blended Diesel Fuel**  
ÇANAKCI M., SAYIN C., ÖZSEZEN A. N., TÜRKCAN A.  
ENERGY & FUELS, vol.23, pp.2908-2920, 2009 (SCI-Expanded)
33. **Performance and combustion characteristics of a DI diesel engine fueled with waste palm oil and canola oil methyl esters**  
ÖZSEZEN A. N., ÇANAKCI M., TÜRKCAN A., SAYIN C.  
FUEL, vol.88, no.4, pp.629-636, 2009 (SCI-Expanded)

34. **The influence of engine speed and load on the heat transfer between gases and in-cylinder walls at fired and motored conditions of an IDI diesel engine**  
Sanli A., ÖZSEZEN A. N., Kilicaslan I., ÇANAKCI M.  
APPLIED THERMAL ENGINEERING, vol.28, pp.1395-1404, 2008 (SCI-Expanded)
35. **Effects of biodiesel from used frying palm oil on the exhaust emissions of an indirect injection (IDI) diesel engine**  
ÖZSEZEN A. N., ÇANAKCI M., SAYIN C.  
ENERGY & FUELS, vol.22, no.4, pp.2796-2804, 2008 (SCI-Expanded)
36. **AN INVESTIGATION OF THE EFFECT OF METHYL ESTER PRODUCED FROM WASTE FRYING OIL ON THE PERFORMANCE AND EMISSIONS OF AN IDI DIESEL ENGINE**  
Özsezen A. N., Canakci M.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.2, pp.395-404, 2008 (SCI-Expanded)
37. **Effects of biodiesel from used frying palm oil on the performance, injection, and combustion characteristics of an indirect injection diesel engine**  
Özsezen A. N., Çanakçı M., Sayın C.  
ENERGY & FUELS, vol.22, no.2, pp.1297-1305, 2008 (SCI-Expanded)
38. **An experimental study of the effect of octane number higher than engine requirement on the engine performance and emissions**  
Sayin C., Kilicaslan I., ÇANAKCI M., Ozsezen N.  
APPLIED THERMAL ENGINEERING, vol.25, no.8-9, pp.1315-1324, 2005 (SCI-Expanded)

#### Articles Published in Other Journals

1. **Etanol-Dizel Yakıt Karışımları Kullanılan Bir Motorda Yakıt Püskürtme Zamanının Yanma Üzerine Etkisi**  
Vargün M., Hürpekli M., Özsezen A. N.  
Uluslararası Yakıtlar Yanma Ve Yangın Dergisi, no.8, pp.47-55, 2020 (Peer-Reviewed Journal)
2. **Experimental Analysis of Performance, Combustion and Injection Characteristics of Biodiesels Obtained from Waste Cooking and Canola Oils**  
Özsezen A. N.  
International Journal of Automotive Engineering and Technologies, vol.1, no.1, pp.22-28, 2017 (Peer-Reviewed Journal)
3. **Evaluating environmental effects of bioethanol gasoline blends in use a SI engine**  
Özsezen A. N.  
Fuels, Fire and Combustion in Engineering Journal, no.4, pp.35-40, 2016 (Peer-Reviewed Journal)
4. **The effects of ethanol-gasoline blends on combustion and performance in a DI-HCCI engine**  
TÜRKCAN A., ÖZSEZEN A. N., ÇANAKCI M.  
2013 INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS (ICRERA), pp.6, 2013 (Peer-Reviewed Journal)
5. **Bir Dizel Motorda Yanma Karakteristiklerinin İncelenmesi**  
Türkcan A., Çanakçı M., Özsezen A. N., Sayın C.  
Firat University Journal of Engineering Science, vol.21, no.1, pp.1-10, 2009 (Peer-Reviewed Journal)
6. **Analysis of Performance and Emissions in a Diesel Engine Fueled with Biodiesel and Blends**  
Özsezen A. N., Çanakçı M.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.15, no.2, pp.173-180, 2009 (ESCI)
7. **Binek Tipi Bir Taşıtta Katalitik Konvertör Veriminin Deneysel Olarak İncelenmesi**  
Özsezen A. N., Eyidoğan M., Türkcan A., Alptekin E., Şanlı A., Çanakçı M., Kılıçaslan İ.  
Taşıt Teknolojileri Elektronik Dergisi (TATED), vol.1, no.1, pp.1-7, 2009 (Peer-Reviewed Journal)

8. **Dizel motorlarında elektronik yakıt kontrol teknolojisi**  
Özsezen A. N., Çanakçı M.  
Mühendis ve Makina, vol.47, no.561, pp.39-46, 2006 (Peer-Reviewed Journal)
9. **IDEALIZED ENGINE EMISSIONS RESULTING FROM THE COMBUSTION OF GASOLINE SUPPLEMENTED WITH LPG**  
Sayın C., Çanakçı M., Kılıçaslan İ., Özsezen N.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.12, no.2, pp.199-205, 2006 (ESCI)
10. **An experimental analysis of influence of using dual fuel (gasoline+LPG) on engine performance and emissions**  
Sayın C., Çanakçı M., Kılıçaslan İ., Özsezen N.  
Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.20, no.4, pp.483-490, 2005 (Peer-Reviewed Journal)
11. **EVALUATING WASTE COOKING OILS AS ALTERNATIVE DIESEL FUEL**  
Çanakçı M., Özsezen N.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.18, no.1, pp.81-91, 2005 (ESCI)
12. **An experimental investigation on oxidative stability of biodiesel**  
Çanakçı M., Özsezen A. N., Sayın C.  
Mühendislik Bilimleri Dergisi, vol.10, no.2, pp.157-167, 2004 (Peer-Reviewed Journal)
13. **Çift yakıtlı (benzin + sıvılaştırılmış petrol gazı), bir benzin motorunun ideal emisyon ürünlerine bağlı olarak optimal karışım oranının incelenmesi**  
Sayın C., Çanakçı M., Kılıçaslan İ., Özsezen A. N.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.6, no.2, pp.35-45, 2004 (Peer-Reviewed Journal)
14. **Dizel motorları yakıt enjeksiyon sistemlerindeki gelişmeler**  
Çanakçı M., Özsezen A. N.  
Mühendis ve Makina, vol.45, no.531, pp.35-42, 2004 (Peer-Reviewed Journal)
15. **Dizel motorları yardımcı ekipmanlarındaki gelişmeler**  
Çanakçı M., Özsezen A. N.  
Mühendis ve Makina, vol.45, no.530, pp.37-42, 2004 (Peer-Reviewed Journal)
16. **Biodiesel Production and its Use in Diesel Engines as an Alternative Fuel**  
Çanakçı M., Özsezen A. N.  
Journal of Naval Sciences and Engineering, vol.1, no.1, pp.47-58, 2003 (Peer-Reviewed Journal)
17. **Kademeli enjeksiyon ve emme hava sıcaklığı değişkenlerinin kullanımı ile benzinli bir HCCI motorunun tasarımı için bir yöntem**  
Çanakçı M., Sayın C., Özsezen N.  
Gazi Üniversitesi Fen Bilimleri Dergisi, vol.16, no.4, pp.811-823, 2003 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

1. **Evaluation of The Effects of Pilot Fuel Injection Ratio on Combustion Products in a Diesel Engine Using Ethanol/Diesel Mixtures**  
Vargün M., Özsezen A. N., Sayın C.  
14th International Green Energy Conference (IGEC-XIV), Glasgow, England, 4 - 08 July 2022, vol.1
2. **Common Rail Yakıt Enjeksiyon Sistemine Sahip Bir Dizel Motorda Enjeksiyon Zamanlaması Değişiminin Yanma Üzerine Etkisi**  
VARGÜN M., ÖZSEZEN A. N., SAYIN C.  
International Marmara Sciences Congress (Autumn 2021), Kocaeli, Turkey, 10 - 11 December 2021, vol.1, pp.480-486
3. **The Impacts of Fuel Injection Strategies on Combustion Characteristics of a Diesel Engine Using 2-Butanol-Ethanol-Diesel Fuel Blends**

VARGÜN M., ÖZSEZEN A. N., SAYIN C.

23rd Congress on Thermal Science and Technology with International Participation (ULIBTK 2021), Gaziantep, Turkey, 8 - 10 September 2021

4. **An Assessment of Two Staged Fuel Injection Application on Combustion Characteristics in a Diesel Engine Fueled Alcohol-Diesel Blends**  
VARGÜN M., ÖZSEZEN A. N., SAYIN C.  
15th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2021), Johannesburg, South Africa, 26 - 28 July 2021, vol.1, pp.218-223
5. **Exhaust Emission Effects of Diesel-Ethanol Fuel Blend in Compression Ignition Engine**  
HÜRPEKLİ M., VARGÜN M., ÖZSEZEN A. N.  
13th International Green Energy Conference (IGEC-XIII), Tianjin, China, 15 - 18 July 2021, vol.1, pp.501-516
6. **Determining the Effect of Intake Air Pressure on Combustion Characteristics of a Diesel Engine Using Ethanol-Diesel Fuel Blends**  
VARGÜN M., BUÇAKLI S. Ö., ÖZSEZEN A. N.  
13th International Green Energy Conference (IGEC-XIII), Tianjin, China, 15 - 18 July 2021, vol.1, pp.312-319
7. **Etanol-Motorin Karışımlarının Kullanıldığı Bir Dizel Motorda Yakıt Püskürtme Zamanının Yanma Karakterleri Üzerine Etkisi**  
VARGÜN M., HÜRPEKLİ M., ÖZSEZEN A. N.  
15. International Combustion Symposium-INCOS 2020, 17 - 19 September 2020
8. **Investigation of Combustion of Diesel-Ethanol Fuel Blend in Compression Ignition Engine**  
HÜRPEKLİ M., VARGÜN M., ÖZSEZEN A. N.  
15. International Combustion Symposium-INCOS 2020, 17 - 19 September 2020
9. **Modeling of An Electromagnetic Valve Actuator for Gasoline Engines Based on FEM Analysis**  
AYGÜL V., AYZAZ M., ÖZSEZEN A. N.  
4. International Congress on Mathematics, Engineering, Natural and Health Sciences (EJONS, 2018), KIEV, Ukraine, 11 - 13 August 2018, pp.227-234
10. **Determination of Vibration and Noise Characteristics of Diesel Engine Used in Heavy Duty Machines**  
YILDIRIM H., ÖZSEZEN A. N., ÇINAR A.  
4. International Congress on Mathematics, Engineering, Natural and Health Sciences (EJONS, 2018), KIEV, Ukraine, 11 - 13 August 2018, pp.105-114
11. **Determination of Vibraton and Noise Characteristics of Diesel Engine Used an Heavy Duty Machines**  
YILDIRIM H., ÖZSEZEN A. N., ÇINAR A.  
4th International Congress on Mathematics, Engineering, Natural and Health Sciences, Kiev, Ukraine, 11 August 2018, pp.1-6
12. **Vibration and Noise Depending Upon Engine Speed in a Diesel Engine Fueled with Biodiese**  
YILDIRIM H., ÖZSEZEN A. N., ÇINAR A.  
6. European Conference on Renewable Energy Systems (ECRES 2018), İstanbul, Turkey, 25 - 27 June 2018, pp.304-311
13. **The Effect of Electromechanical Valve System on the Volumetric Efficiency of a Single Cylinder Gasoline Engine**  
AYGÜL V., ÖZSEZEN A. N., ALPTEKİN E., TÜRKCAN A., ÇANAKCI M.  
6th European Conference on Renewable Energy Systems (ECRES 18), İstanbul, Turkey, 25 - 27 June 2018, vol.1, pp.344-350
14. **Vibration and Noise Depending upon Engine Speed in a Diesel Engine Fueled with Biodiesel**  
YILDIRIM H., ÖZSEZEN A. N., ÇINAR A.  
The 6th European Conference on Renewable Energy Systems, İstanbul, Turkey, 25 June 2018, vol.6, pp.1
15. **The effect of electromechanical valve system on the volumetric efficiancy of a single cylinder gasoline engine**  
AYGÜL V., ÖZSEZEN A. N., ALPTEKİN E., TÜRKCAN A., ÇANAKCI M.  
The 6th European Conference on Renewable Energy Systems, İstanbul, Turkey, 25 - 27 June 2018, vol.1, pp.344-350

16. **Atık Kızartma Yağı Kökenli Biyodizel Kullanılan Bir Dizel Motorda Titreşim ve Akustik Analizi**  
YILDIRIM H., ÖZSEZEN A. N., ÇINAR A.  
9th International Automotive Technologies Congress (OTEKON 2018), Bursa, Turkey, 7 - 08 May 2018, pp.1434-1441
17. **Examining of the Relationship Between Cylinder Pressure and Block Vibration in a Diesel Engine with Fuelled Alternative Fuels**  
YILDIRIM H., ÇINAR A., ÖZSEZEN A. N., AYGÜL V.  
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.3310-3317
18. **Design and Implementation of an Electromagnetic Valve Actuator for IC Engines**  
AYGÜL V., AYAZ M., ÖZSEZEN A. N.  
2nd International Conference on Computer Science, Engineering and Applied Science (ICCSEAS 2017), Paris, France, 28 - 29 November 2017
19. **Experimental Investigation of Valve Control in a Spark Ignition Engine with Electromechanical Valve Mechanism Technique**  
AYGÜL V., ÖZSEZEN A. N., TÜRKCAN A., ALPTEKİN E.  
8th International Advanced Technologies Symposium, IATS17, 19 - 22 October 2017, vol.1, pp.189-196
20. **Comparative Analysis of Injection, Combustion and Emission Characteristics of Canola-Safflower Biodiesel and Diesel Fuel in a Common Rail Diesel Engine**  
ALPTEKİN E., ÖZBİLGİ C., ÇANAKCI M., ÖZSEZEN A. N.  
International Engineering Research Symposium, Düzce, Turkey, 11 - 13 September 2017, vol.1, pp.86
21. **Investigation of Drying and Burning Characteristics of Wastes Originated from Paper Mills as a Biomass Source**  
ÖZSEZEN A. N., TÜRKCAN A.  
7th International 100 Renewable Energy Conference (IRENEC 2017), 18 - 20 May 2017, pp.68-74
22. **Otomotiv Mühendisliği Eğitimi İçin Altyapı İhtiyaçları, Ortak Projelerin Oluşturulması**  
ÖZSEZEN A. N.  
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23. **INVESTIGATION OF COMBUSTION AND BLOCK VIBRATION OF DIESEL ENGINE WITH FUELLED DIFFERENT FUELS**  
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4. Otomotiv Teknolojileri Kongresi (OTEKON08), Bursa, Turkey, 1 - 04 June 2008
44. **Ham Ayçiçek Yağı Kullanılan Bir Dizel Motorun Performans ve Emisyonları**  
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1.Ulusal Yağlı Tohumlu Bitkiler ve Biyodizel Sempozyumu, Samsun, Turkey, 28 - 31 May 2007
45. **Atık kızartma yağı kökenli biyodizelin ön yanma odalı bir dizel motorun emisyonları üzerine etkisi**  
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3. Otomotiv Teknolojileri Kongresi (OTEKON06), Bursa, Turkey, 26 - 28 June 2006, pp.87-95
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9. Uluslararası Yanma Sempozyumu, Kırıkkale, Turkey, 7 September - 08 June 2006
48. **Türkiye de ve Dünyada Enerji Tüketimi Biyodizel**  
ÖZSEZEN A. N., ÇANAKCI M.  
5. GAP Mühendislik Kongresi, Şanhurfa, Turkey, 26 - 28 April 2006, vol.1, pp.415-422
49. **Buji Ateşlemeli Motorların Yakıt Sistemlerindeki Gelişmeler**  
ÖZSEZEN A. N., ÇANAKCI M.  
4th International Advanced Technologies Symposium, Konya, Turkey, 28 - 30 September 2005, vol.1, pp.505-5011

## Academic and Administrative Experience

2023 - Continues	<b>Head of Department</b>	Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği
2012 - 2023	<b>Deputy Head of Department</b>	Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği Bölümü
2009 - 2012	<b>Deputy Head of Department</b>	Kocaeli Üniversitesi, Teknik Eğitim Fakültesi, Makine Eğitimi Bölümü

## Courses

ALTERNATİF YAKITLAR, Doctorate, 2016 - 2017

## Advising Theses

Özsezen A. N., Etanol-motorin karışımları kullanılan bir dizel motorda farklı enjeksiyon stratejilerinin yanma karakteristikleri üzerine etkisinin incelenmesi, Postgraduate, M.VARGÜN(Student), 2021

Özsezen A. N., Tek silindirli buji ateşlemeli bir motorda elektromekanik supap mekanizması uygulaması, Postgraduate, V.AYGÜL(Student), 2014

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CFD Letters, Other Indexed Journal, June 2022  
FUEL PROCESSING TECHNOLOGY, SCI Journal, June 2022  
Journal of Thermal Engineering, Journal Indexed in ESCI, June 2022  
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, May 2022  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, SCI Journal, May 2022  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, Journal Indexed in SCI-E, April 2022  
ENERGY, Journal Indexed in SCI-E, April 2022  
ENERGY CONVERSION AND MANAGEMENT, SCI Journal, March 2022  
ENERGY, SCI Journal, February 2022  
INTERNATIONAL JOURNAL OF AUTOMOTIVE SCIENCE AND TECHNOLOGY, National Scientific Refreed Journal, January 2022  
DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, National Scientific Refreed Journal, July 2021  
ENERGY, SCI Journal, April 2021  
FUEL, SCI Journal, March 2021  
FUEL, SCI Journal, May 2019

## Mobility Activity

Post Doc, Post Doc, Fachhochschule Düsseldorf, Germany, 2014 - 2015

Erasmus Programme, Guest Researcher, Universidade de Coimbra, Portugal, 2012 - 2012

## Metrics

Publication: 105

Citation (WoS): 2261

Citation (Scopus): 2666

H-Index (WoS): 22

H-Index (Scopus): 21

## Research Areas

Fuels and Combustion, Internal Combustion Engines, Computational fluid dynamics

## Non Academic Experience

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