

## Lect. PhD OĞUZ KÜRŞAT DEMİRCİ



### Personal Information

**Office Phone:** [+90 446 226 6600](tel:+904462266600) Extension: 43321

**Email:** [odemirci@erzincan.edu.tr](mailto:odemirci@erzincan.edu.tr)

**Web:** <http://aves.erzincan.edu.tr/odemirci/>

**Address:** Erzincan Binali Yıldırım Üniversitesi Yalnızbağ Yerleşkesi Erzincan Meslek Yüksekokulu Otomotiv Teknolojisi Programı Merkez / ERZİNCAN



### International Researcher IDs

ScholarID: I4ioQH0AAAAJ

ORCID: 0000-0003-1572-2607

Publons / Web Of Science ResearcherID: X-1834-2018

Yoksis Researcher ID: 19144

### Education Information

Undergraduate, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, Turkey 2017 - 2021

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Department of Automotive Engineering, Turkey 2014 - 2021

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Department of Machine Education, Turkey 2011 - 2013

Undergraduate, Anadolu University, Faculty Of Economics, Department Of Finance, Turkey 2006 - 2013

Undergraduate, Fırat University, Faculty Of Technical Education, Department Of Mechanics Education - Automotive Teaching Programme, Turkey 2007 - 2011

### Biography

Oğuz Kürşat Demirci was born in Erzincan / Kemaliye. He completed his high school education at Erzincan Science High School. He completed his undergraduate education firstly at Anadolu University, Faculty of Economics, Department of Finance, secondly at Fırat University, Faculty of Technical Education, Department of Automotive Education and thirdly at Erzincan Binali Yıldırım University, Faculty of Engineering, Department of Mechanical Engineering. He was selected as an honour and high honour student from all three undergraduate programs and received the "Faculty First Prize" from Fırat University Technical Education Faculty. After completing his master's degree at Gazi University Institute of Science and Technology, Department of Mechanical Education, he completed his doctorate education in Gazi University Institute of Science and Technology, Department of Automotive Engineering in 2021 and received the title of doctor. He first started his academic career at Aksaray University Vocational School and transferred to Erzincan Binali Yıldırım University Vocational School in 2014 and still continues his academic life here.

During his academic life, many articles and papers have been published and continue to be published in national and international journals. He also took part in European Union supported projects.

He is married and has two children.

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Education Management and Planning, Eđitcilerin Eđitimi Programı Başarı Sertifikası, Erzincan Binali Yıldırım Üniversitesi Sürekli Eđitim ve Araştırma Merkezi, 2021

Occupational Health and Safety, İş Sağlığı ve Güvenliđi Temel Eđitimi, Erzincan Binali Yıldırım Üniversitesi İş Sağlığı ve Güvenliđi Uygulama ve Araştırma Merkezi, 2018

## Dissertations

Doctorate, The Investigation of the Effects of Using CNG on Engine Performance Emissions and Combustion in an HCCI Engine, Gazi University, Fen Bilimleri Enstitüsü, Department of Automotive Engineering, 2021

Postgraduate, Buji ile ateşlemeli bir motorda Miller Çevrimi uygulaması, performans ve emisyon karakteristiklerinin incelenmesi, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Makine Eđitimi Abd, 2013

## Research Areas

Mechanical Engineering, Fuels and Combustion, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Thermal machines, Engineering and Technology

## Academic Titles / Tasks

Lecturer PhD, Erzincan Binali Yıldırım University, Meslek Yüksekokulu, Makine Ve Metal Teknolojileri Bölümü, 2021 - Continues

Lecturer, Erzincan Binali Yıldırım University, Meslek Yüksekokulu, Motorlu Araçlar Ve Ulaştırma Teknolojileri, 2014 - 2021

Lecturer, Aksaray University, Aksaray Teknik Bilimler Myo, Motorlu Araçlar Ve Ulaştırma Teknolojileri Bölümü / Otomotiv Teknolojisi Programı, 2013 - 2014

## Academic and Administrative Experience

Program Koordinatörü, Erzincan Binali Yıldırım University, Meslek Yüksekokulu, Motorlu Araçlar ve Ulaştırma Teknolojileri, 2019 - Continues

## Courses

Piston Engines, Associate Degree, 2021 - 2022

THERMODYNAMICS, Associate Degree, 2021 - 2022

HYDRAULIC AND PNEUMATIC SYSTEM IN THE AIRCRAFTS (2. GROUP), Associate Degree, 2021 - 2022

DAMAGE DETERMINATION AND EVALUATION, Associate Degree, 2020 - 2021

ENGINE TECHNOLOGY, Associate Degree, 2021 - 2022

PISTON ENGINES, Associate Degree, 2020 - 2021

HYDRAULIC AND PNEUMATIC SYSTEM IN THE AIRCRAFTS (1. GROUP), Associate Degree, 2021 - 2022

OCCUPATIONAL SAFETY AND HEALTH IN AVIATION (2. GROUP), Associate Degree, 2021 - 2022  
VEHICLE SAFETY SYSTEMS, Associate Degree, 2021 - 2022  
VEHICLE MECHANICS, Associate Degree, 2021 - 2022  
CAREER COUNSELING AND VOCATIONAL GUIDANCE, Associate Degree, 2021 - 2022  
AUTOMOTIVE SPARE PARTS, Associate Degree, 2020 - 2021  
SYSTEM ANALYSIS AND DESIGN, Associate Degree, 2020 - 2021, 2018 - 2019  
POWER TRAIN SYSTEMS, Associate Degree, 2021 - 2022  
OCCUPATIONAL SAFETY AND HEALTH IN AVIATION (1.GROUP), Associate Degree, 2021 - 2022  
AUTOMOTIVE MATERIALS TECHNOLOGY, Associate Degree, 2020 - 2021  
ALTERNATIVE ENGINES AND FUEL SYSTEMS, Associate Degree, 2020 - 2021, 2018 - 2019  
VEHICLE COMFORT SYSTEMS, Associate Degree, 2020 - 2021  
ENGINE TEST AND TUNING, Associate Degree, 2021 - 2022  
EMISSION CONTROL, Associate Degree, 2021 - 2022  
VEHICLE MOTION CONTROL SYSTEMS, Associate Degree, 2021 - 2022  
HYDRAULIC AND PNEUMATIC SYSTEM IN THE AIRCRAFTS (3. GROUP), Associate Degree, 2021 - 2022  
OCCUPATIONAL SAFETY AND HEALTH IN AVIATION (3. GROUP), Associate Degree, 2021 - 2022  
HEATING AND COOLING SYSTEMS, Associate Degree, 2020 - 2021  
BEHAVIOR AND QUALITY OF SERVICE, Associate Degree, 2021 - 2022  
MACHINE ELEMENTS, Associate Degree, 2021 - 2022  
PHYSICS, Associate Degree, 2021 - 2022  
UÇAKLARDA HİDROLİK VE PNÖMATİK SİSTEMİ (İÖ)), Associate Degree, 2018 - 2019

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

- I. **INVESTIGATION OF THE COMBINED USE OF DIESEL AND CNG FUELS ON AN HCCI ENGINE USING RESPONSE SURFACE METHODOLOGY (RSM) (Accepted-In Press))**  
Demirci O. K., Çınar C., Kocakulak T.  
SCIENTIA IRANICA INTERNATIONAL JOURNAL OF SCIENCE & TECHNOLOGY, vol.1, pp.1-25, 2024 (SCI-Expanded)

### Articles Published in Other Journals

- I. **HCCI-DI Bir Motorda Doğal Gaz Kullanımının Performans ve Egzoz Emisyonlarına Etkisinin İncelenmesi**  
DEMİRCİ O. K., ÇINAR C.  
GAZİ ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ PART: C TASARIM VE TEKNOLOJİ, vol.7, no.2, pp.317-330, 2019  
(Peer-Reviewed Journal)
- II. **Performance and emission characteristics of a miller cycle engine**  
DEMİRCİ O. K., UYUMAZ A., SARIDEMİR S., ÇINAR C.  
INTERNATIONAL JOURNAL OF AUTOMOTIVE ENGINEERING AND TECHNOLOGIES, vol.7, pp.107-116, 2018 (Peer-Reviewed Journal)
- III. **Erzincan'da Doğal Gaz Kullanımının Hava Kalitesine Etkisi**  
ÇETİN M., DEMİRCİ O. K.  
Erzincan University Journal of Science and Technology, vol.9, no.1, pp.8-18, 2016 (Peer-Reviewed Journal)
- IV. **THE ROLE OF THE CHEMICAL SCIENCES TRAINING ON THE EMISSION CONTROL SYSTEMS IN VEHICLES**  
ÇETİN M., DEMİRCİ O. K.  
EDUCATION JOURNAL, vol.4, no.1, pp.20-26, 2015 (Peer-Reviewed Journal)
- V. **Energy and Economic Analysis of the Wind Turbine Plant's Draft for the Aksaray City**  
TANER T., DEMİRCİ O. K.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Waste Production in Automotive Repair Shops, Environmental Effects and Prevention of Automotive Origin Waste**  
Çetin M., Demirci O. K., Tandiroğlu A.  
2nd International Symposium on Automotive Science and Technology, Ankara, Turkey, 8 - 09 September 2021, vol.1, no.1, pp.504-510
- II. **Dizel Motorlarında Doğal Gaz Kullanımının Ekonomik Analizi**  
DEMİRCİ O. K., ÇINAR C., ÇETİN M., DEMİRCİ A.  
1st International Symposium On Automotive Science And Technology (ISASTECH2019), Ankara, Turkey, 5 September - 06 December 2019, vol.1, no.1, pp.533-537
- III. **Fındık Yağı Biyodizeli Üretimi, Yakıt Olarak Kullanımı, Performans ve Emisyon Karakteristikleri**  
ÇETİN M., DEMİRCİ O. K.  
14th International Combustion Symposium (INCOS2018), Karabük, Turkey, 25 - 27 April 2018, vol.1, no.80, pp.406-413
- IV. **Benzin Ve MTBE10 Yakıtları ile Çalışan Buji Ateşlemeli Bir Motorda Performans ve Emisyon Karakteristiklerinin İncelenmesi**  
ÇINAR C., DEMİRCİ O. K., UYUMAZ A.  
13. Uluslararası Yanma Sempozyumu, Bursa, Turkey, 9 - 11 September 2015, pp.1-7
- V. **Üniversite Kent Etkileşimi ve Sürdürülebilirlik**  
Çetin M., Demirci O. K., Kuş H.  
8. USİMP ULUSAL KONGRESİ, Konya, Turkey, 9 - 10 June 2015, pp.1
- VI. **Otomotiv Teknolojisi Programı İçin Teknoloji Fakültesi Modelinin Uygulanması ve Bölgeye Katkısına Yönelik Bir Araştırma**  
DEMİRCİ O. K., ÇETİN M., DEMİRCİ A.  
4. Uluslararası Meslek Yüksekokulları Sempozyumu (UMYOS'15), Yalova, Turkey, 21 - 23 May 2015, vol.1, no.1, pp.859-866
- VII. **'Meslek Yüksek Okullarına Bağlı Popüler Bölümler'**  
Karatay E., Şahin M., Çetin M., Demirci O. K.  
II. Ulusal Sinanpaşa MYO Kongresi, Afyon, Turkey, 23 - 24 May 2014, pp.12-14
- VIII. **'Meslek Yüksek Okullarına Bağlı Havacılık Programlarının Türkiye'deki Durumu'**  
Şahin M., Karatay E., Çetin M., Demirci O. K.  
II. Ulusal Sinanpaşa MYO Kongresi, Afyon, Turkey, 23 - 24 May 2014, pp.10-12
- IX. **'Mezuniyet Sonrası Meslek Yüksekokulu Öğrencilerinin İş Bulmasını Etkileyen Faktörler'**  
Çetin M., Demirci O. K., Şahin M., Karatay E.  
II. Ulusal Sinanpaşa MYO Kongresi, Afyon, Turkey, 23 - 24 May 2014, pp.14-16

## Supported Projects

DEMİRCİ A., DEMİRCİ O. K., ÇETİN M., EU Supported Other Project, OTO TAMİRCİLİĞİNDE YENİLİKLER, GENÇ KUŞAKLAR VE YENİ UFUKLAR Projesi, 2016 - 2017

## Memberships / Tasks in Scientific Organizations

OTOMOTİV MÜHENDİSLERİ DERNEĞİ, Member, 2018 - Continues

## **Scientific Refereeing**

JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING, SCI Journal, November 2022  
International Journal of Automotive Engineering and Technologies, Other Indexed Journal, May 2022  
International Journal of Automotive Science and Technology, Other Indexed Journal, January 2022  
International Journal of Energy Applications and Technologies, Other Indexed Journal, December 2021

## **Metrics**

Publication: 15

## **Congress and Symposium Activities**

2nd International Symposium on Automotive Science and Technology, Attendee, Ankara, Turkey, 2021  
1st International Symposium On Automotive Science And Technology (ISASTECH2019), Attendee, Ankara, Turkey, 2019  
14th International Combustion Symposium (INCOS2018), Attendee, Karabük, Turkey, 2018  
8th USIMP NATIONAL CONGRESS, Attendee, Konya, Turkey, 2015  
13th International Combustion Symposium, Attendee, Bursa, Turkey, 2015  
4th International Vocational Schools Symposium (UMYOS'15), Attendee, Yalova, Turkey, 2015  
II. National Sinanpaşa Vocational School Congress, Attendee, Afyonkarahisar, Turkey, 2014

## **Awards**

Demirci O. K., FACULTY FIRST PRIZE, Firat Üniversitesi, June 2011

## **Representation and Promotion Activities**

Institutional Representation, Erzincan Binali Yıldırım Üniversitesi, Turkey, Erzincan, 2022 - 2022  
Institutional Representation, Ortadoğu Teknik Üniversitesi, Turkey, Ankara, 2022 - 2022

## **Non Academic Experience**

Free Trade Zone, Canlar Kuruyemiş, Toptan/ Perakende Satış