

## Lect. PhD ERKUTAY TAŞDEMİRÇİ

### Personal Information

Office Phone: [+90 312 800 0615](tel:+903128000615) Extension: 107

Other Email: [erkutaytasdemirci@gazi.edu.tr](mailto:erkutaytasdemirci@gazi.edu.tr)

Email: [erkutaytasdemirci@gazi.edu.tr](mailto:erkutaytasdemirci@gazi.edu.tr)

Web: <https://avesis.gazi.edu.tr/erkutaytasdemirci>

### International Researcher IDs

ScholarID: CfdMNRcAAAAJ

ORCID: 0000-0002-0774-8201

Yoksis Researcher ID: 117057

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Otomotiv Mühendisliği Bölümü, Turkey 2012 - 2021

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Bölümü, Turkey 2009 - 2011

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2004 - 2009

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Fluid Mechanics, Conventional Energy Systems and Their Technology, Alternative Energy Resources, Heat and Mass Transfer, Fuels and Combustion, Heating, Refrigerating and Air Conditioning, Internal Combustion Engines, Thermal Systems, Thermal machines

### Academic Titles / Tasks

Lecturer PhD, Gazi University, Tusaş - Kazan Meslek Yüksek Okulu, Motorlu Araçlar ve Ulaştırma Teknolojileri Bölümü, 2019 - Continues

Research Assistant, Kocaeli University, Teknoloji Fakültesi, Otomotiv Mühendisliği Bölümü, 2012 - 2019

### Academic and Administrative Experience

Head of Department, Gazi University, 2021 - 2022

### Courses

MOTOR YENİLEŞTİRME, Associate Degree, 2020 - 2021

MESLEKİ GELİŞİM II, Associate Degree, 2020 - 2021

ALTERNATİF MOTORLAR VE YAKIT SİSTEMLERİ, Associate Degree, 2020 - 2021  
Aircraft Engines, Associate Degree, 2020 - 2021  
MESLEKİ GELİŞİM I, Associate Degree, 2020 - 2021  
MAKİNE ELEMANLARI, Associate Degree, 2020 - 2021  
HİDROLİK VE PNÖMATİK SİSTEMLER, Associate Degree, 2020 - 2021  
MOTOR TEST VE AYARLARI, Associate Degree, 2020 - 2021  
TEKNİK RESİM, Associate Degree, 2019 - 2020  
KOMPOZİT MALZEMELER, Associate Degree, 2019 - 2020

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

- I. **Experimental performance comparison of R1234yf and R134a automobile air conditioning systems employing a variable capacity compressor**  
TAŞDEMİRCİ E., ALPTEKİN E., HOŞÖZ M.  
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, vol.90, no.1-4, pp.1-18, 2022 (SCI-Expanded)
- II. **Comparative study on winding materials for wind turbine alternators**  
AYAZ M., Tasdemirci E., YÜCE M., MEŞE E., HERGÜL A. S.  
EMERGING MATERIALS RESEARCH, vol.9, no.2, pp.360-365, 2020 (SCI-Expanded)
- III. **Comparative performance of an automobile heat pump system with an internal heat exchanger using R1234yf and R134a**  
Tasdemirci E., ALPTEKİN E., HOŞÖZ M.  
INTERNATIONAL JOURNAL OF EXERGY, vol.33, no.1, pp.98-113, 2020 (SCI-Expanded)
- IV. **Comprehensive study on automation of toxic gas measurement**  
AYAZ M., Tasdemirci E., Yuksel H., AYGÜL V.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.22, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Comparative Study on Control Methods for Air Conditioning of Industrial Paint Booths**  
AYAZ M., AYGÜL V., DÜZENLİ F., TAŞDEMİRCİ E.  
Advanced Science, Engineering and Medicine, vol.11, no.11, pp.1053-1059, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **SÜRÜŞ YETENEKLERİNİN FİZİKSEL ETKENLERLE DEĞİŞİMİNİN EOG SİNYALLERİ İLE İNCELENMESİ**  
ÇAYIR T., TAŞDEMİRCİ E., GÜNGÖR B. D.  
3. ULUSLARARSI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Gaziantep, Turkey, 21 - 22 June 2018
- II. **BİOPAC CİHAZI İLE ALINAN EKG SİNYALLERİNİN CİNSİYETE BAĞLI DEĞERLENDİRİLMESİ**  
ÇAYIR T., TAŞDEMİRCİ E., GÜNGÖR B. D.  
3. ULUSLARARASI MESLEKİ VE TEKNİK BİLİMLER KONGRESİ, Gaziantep, Turkey, 21 - 22 June 2018
- III. **Comperative Study on Winding Materials For Wind Turbine Alternators**  
AYAZ M., TAŞDEMİRCİ E., YÜCE M., MEŞE E., HERGÜL A. S.  
International Conference on Computational and Experimental Science and Engineering (ICCESN 2017), 4 - 08 October 2017, vol.1, pp.639
- IV. **Comparative Study on Control Methods for Air Conditioning of Industrial Paint Booths**  
AYAZ M., AYGÜL V., DÜZENLİ F., TAŞDEMİRCİ E.  
International Conference on Computational and Experimental Science and Engineering (ICCESN 2017), 4 - 08 October 2017, vol.1, pp.460

- V. **Investigation on Winding Materials Selection for Synchronous Alternators Used in Wind Turbines**  
HERGÜL A. S., YÜCE M., AYAZ M., TAŞDEMİRCİ E., MEŞE E.  
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 4 - 08 October 2017, vol.1, pp.640
- VI. **Comprehensive Study on Automation of Toxic Gas Measurement**  
AYAZ M., TAŞDEMİRCİ E., YÜKSEL H., AYGÜL V.  
International Conference on Computational and Experimental Science and Engineering (ICCESEN 2017), 4 - 08 October 2017, vol.1, pp.461
- VII. **Experimental Performance Comparison of R134a and R1234yf Automobile Heat Pump Systems**  
HOŞÖZ M., TAŞDEMİRCİ E., ALPTEKİN E.  
16th International Conference on Sustainable Energy Technologies, 17 - 20 July 2017, vol.1, pp.1-10
- VIII. **Experimental investigation of biomethane production from cheese whey in one and two staged digester**  
Tasdemirci E., KAPLAN Ö., YİĞİT K. S.  
European Biotechnology Congress, Bratislava, Slovakia, 16 - 18 May 2013, vol.24

## Supported Projects

Yetişken İ. C., Eyimaya S. E., Akın M., Koçak H., Taşdemirci E., Ünal K., Atak A., Development Agency, HAVACILIK ALANINDA HİBRİD EĞİTİM UYGULAMALARI, 2020 - 2021

Hoşöz M., Taşdemirci E., Alptekin E., Project Supported by Higher Education Institutions, HFO-1234yf SOĞUTUCU AKIŞKANLI BİR OTOMOBİL KLİMA / ISI POMPASI SİSTEMİNİN DENEYSEL PERFORMANS ANALİZİ, 2014 - 2016

## Metrics

Publication: 13

Citation (WoS): 5

Citation (Scopus): 5

H-Index (WoS): 1

H-Index (Scopus): 1