

## Res. Asst. MÜFİT YÜCE

### Personal Information

Office Phone: [+90 262 303 2309](tel:+902623032309)

Fax Phone: [+90 0262 303 2203](tel:+9002623032203)

Email: [mufit.yuce@kocaeli.edu.tr](mailto:mufit.yuce@kocaeli.edu.tr)

Other Email: [mufityc@gmail.com](mailto:mufityc@gmail.com)

Web: <https://avesis.kocaeli.edu.tr/arastirma-grubu/tesal>

Address: Enerji Sistemleri Mühendisliği Kocaeli Üniversitesi Umuttepe Yerleşkesi 41380 Kocaeli

### International Researcher IDs

ScholarID: QhTk4R4AAAAJ

ORCID: 0000-0001-6429-5520

ScopusID: 57245459600

Yoksis Researcher ID: 237403

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği (Dr), Turkey 2016 - Continues  
Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Turkey 2015 - 2019

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği (YI), Turkey 2013 - 2016

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2008 - 2012

### Research Areas

Energy, Renewable energy, Mechanical Engineering, Energy, Fluid Mechanics, Conventional Energy Systems and Their Technology, Fluid Machinery, Renewable Energy Systems, Alternative Energy Resources, Energy storage technologies, Solar energy, Construction and Manufacturing, Machine Theory and Dynamics, Mechanical, Thermodynamics, Optimization, Heat Transfer, Fluid Dynamics, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2016 - Continues

### Courses

Elektrik Devreleri II Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Programlanabilir Mantık Denetleyicileri Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İmalat İşlemleri Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Bilgisayar Programlama Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Ölçme ve Enstrümantasyon Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

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

- I. **Investigation on aluminum alloys as winding materials for alternators in wind turbines**  
HERGÜL A. S., YÜCE M., AYAZ M., Mese E.  
EMERGING MATERIALS RESEARCH, vol.9, no.3, pp.789-795, 2020 (SCI-Expanded)
- II. **Comparative study on winding materials for wind turbine alternators**  
AYAZ M., TAŞDEMİRCİ E., YÜCE M., Mese E., HERGÜL A. S.  
EMERGING MATERIALS RESEARCH, vol.9, no.2, pp.360-365, 2020 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of District Heating System by Utilizing Waste Heat Sources of a Biogas Power Plant**  
HERGÜL A. S., YÜCE M., ÖZDEMİR N. C., KAYA D.  
Journal of International Environmental Application Science, vol.12, pp.264-269, 2017 (Peer-Reviewed Journal)
- II. **İÇ ISI DEĞİŞTİRİCİLİ İKİ KADEMELİ ARA SOĞUTMALI BİR TRANSKRİTİK SOĞUTMA ÇEVİRİMİNİN TERMODİNAMİK ANALİZİ**  
YÜCE M., ÖZGÜR A. E.  
SDU International Journal of Technological Science, vol.9, pp.33-46, 2017 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **TÜRKİYE ELEKTRİK DAĞITIM ŞEBEKESİNİN SORUNLARI VE ÇÖZÜM ÖNERİLERİ**  
ÖRME M. M., KAYA D., YÜCE M.  
İmascon, 26 - 28 April 2019
- II. **BİR LASTİK FABRİKASI İÇİN KARTUŞ ARABASI TASARIMI**  
YÜCE M.  
İmascon, 26 - 28 April 2019
- III. **SIFIR KARBON AYAK İZİ İLE ATIK ISI GERİ KAZANIM PROJESİ**  
KAYA D., EYİDOĞAN M., BERKER S., YÜCE M.  
4. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 23 - 24 April 2018
- IV. **ENERGY EFFICIENCY STUDIES IN THE PRODUCTION OF THE CERAMIC TILE MATERIALS IN TURKEY**  
EYİDOĞAN M., ÇANKA KILIÇ F., YÜCE M., KAYA D.  
2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.511
- V. **Energy Efficiency Analysis of an Automobile Assembly Plant**  
ÇANKA KILIÇ F., EYİDOĞAN M., SAPMAZ S., YÜCE M.  
2 nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.126
- VI. **ENERGY EFFICIENCY STUDIES IN CERAMIC SANITARY WARE INDUSTRY IN TURKEY**  
ÇANKA KILIÇ F., EYİDOĞAN M., YÜCE M., UZUN E.  
2nd International Energy Engineering Conference, Gaziantep, Turkey, 12 - 13 October 2017, vol.1, pp.512
- VII. **DESIGNING A DISTRICT HEATING SYSTEM BY DETERMINING THE WASTEHEAT OF A BIOGAS POWER PLANT**  
HERGÜL A. S., YÜCE M., KAYA D.  
UEMK 2017, 12 - 13 October 2017, vol.1, pp.534
- VIII. **Comperative Study on Winding Materials For Wind Turbine Alternators**  
AYAZ M., TAŞDEMİRCİ E., YÜCE M., MEŞE E., HERGÜL A. S.

ICCESEN 2017, 4 - 08 October 2017, vol.1, pp.639

- IX. **Investigation on Winding Materials Selection for Synchronous Alternators Used in Wind Turbines**  
HERGÜL A. S., YÜCE M., AYAZ M., TAŞDEMİRCİ E., MEŞE E.  
ICCESEN 2017, 4 - 08 October 2017, vol.1, pp.640
- X. **A Sample Combined Heat and Power System for the Residential and Light Commercial Applications**  
YÜCE M., HERGÜL A. S., KAYA D.  
ICCESEN 2017, 4 - 08 October 2017, vol.1, pp.245
- XI. **Utilization Of An Alternative Refrigerant Carbon Dioxide In A Sample Two Stage Transcritical Heat Pump**  
YÜCE M.  
SolarTR 2016, İstanbul, Turkey, 6 - 08 December 2016
- XII. **Determination of Energy Efficiency and Emissions Savings of a Public Building by Thermal Insulation**  
HERGÜL A. S., YÜCE M.  
SolarTR 2016, İstanbul, Turkey, 6 - 08 December 2016
- XIII. **A Model Application In A Collective Settlement Area Within the TS 825 Standard In Terms of Energy Efficiency**  
YÜCE M., HERGÜL A. S.  
SolarTR 2016, İstanbul, Turkey, 6 - 08 December 2016
- XIV. **Solar Assisted Heating System Design and Performance Evaluation in Terms of Energy and Economical Aspects**  
YÜCE M., HERGÜL A. S., KAYA D.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016
- XV. **A MICRO COGENERATION SYSTEM FOR RESIDENTIAL USAGE**  
YÜCE M.  
1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016

## Supported Projects

- Yüce M., Kaya D., Project Supported by Other Official Institutions, Kazan, Buhar Türbini ve Gerekli Alternatör Hesapları ile ilgili Sistemin Spesifikasyonlarının Değerlendirme Raporu Çalışması, 2019 - 2019
- Yüce M., Özgür A. E., Project Supported by Higher Education Institutions, 4289-YL1-15 Transkritik Çevrimli Bir Isı Pompası Sisteminin Performans Analizi, 2015 - 2017
- Yüce M., Kaya D., Project Supported by Other Private Institutions, FİRMA nın Atıklarının Biyogaz Kapasitesinin Belirlenmesi ve Muhtemel Kurulabilecek Biyogaz Tesisinin Fizibilite Raporunun Oluşturulması, 2016 - 2016
- Yüce M., Şevik F., Project Supported by Other Official Institutions, Robotik Biyokimyasal Oksijen İhtiyacı Makinesi Üretim RBODM Projesi, 2014 - 2015

## Metrics

- Publication: 22  
Citation (WoS): 5  
Citation (Scopus): 8  
H-Index (WoS): 2  
H-Index (Scopus): 2

## Representation and Promotion Activities

Institutional Representation, MARMARA KAF, Turkey, Kocaeli, 2024 - 2024

Institutional Promotion, Kocaeli Üniversitesi, Turkey, Kocaeli, 2016 - 2024

## **Non Academic Experience**

TSE