

## Lect. MEHMET BAYRAK



### Personal Information

**Office Phone:** +90 352 504 3838 Extension: 42033

**Email:** mehmetbayrak@kayseri.edu.tr

**Web:** <https://avesis.kayseri.edu.tr/mehmetbayrak>



### International Researcher IDs

ScholarID: bCoOqgMAAAAJ

ORCID: 0000-0002-6101-0427

Publons / Web Of Science ResearcherID: ABD-2356-2020

ScopusID: 57196876579

Yoksis Researcher ID: 263357

### Education Information

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, Turkey  
2008 - 2011

Undergraduate, Gazi University, Çorum Mühendislik Fakültesi, Kimya Mühendisliği,  
Turkey 2003 - 2008

### Dissertations

Postgraduate, Farklı yakıtlar kullanılan buji ateşlemeli bir motorda ateşleme avansının ve sıkıştırma oranının motor performansına ve egzoz emisyonlarına etkisinin incelenmesi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2011

### Research Areas

Mechanical Engineering, Energy, Alternative Energy Resources, Engineering and Technology

### Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Kayseri University, Mustafa Çıkrıkçıoğlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü,  
2021 - Continues

Adaptation/Exemption Committee Member, Kayseri University, Mustafa Çıkrıkçıoğlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2020 - Continues

Internship Committee Member, Kayseri University, Mustafa Çıkrıkçıoğlu Meslek Yüksekokulu, Elektrik ve Enerji Bölümü,  
2018 - Continues

### Courses

HEATING INSTALLATION WORKSHOP INFORMATION-II, Associate Degree, 2023 - 2024, 2022 - 2023

NATURAL GAS INSTALLATION-II, Associate Degree, 2023 - 2024  
FUEL CELL TECHNOLOGY , Associate Degree, 2023 - 2024, 2022 - 2023  
SOLAR ENERGY, Associate Degree, 2023 - 2024  
PROFESSIONAL WORK II, Associate Degree, 2022 - 2023  
BACA HESABI VE PROJELENDİRME, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022  
DOĞALGAZ TESİSAT TEKNOLOJİSİ, Associate Degree, 2023 - 2024, 2022 - 2023, 2020 - 2021  
İŞ SAĞLIĞI VE GÜVENLİĞİ, Associate Degree, 2023 - 2024, 2022 - 2023  
ISITMA TESİSATI ATÖLYE BİLGİSİ, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022  
İŞ SAĞLIĞI VE GÜVENLİĞİ, Associate Degree, 2023 - 2024, 2022 - 2023  
GENEL ISI BİLGİSİ, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022  
DOĞALGAZ TESİSATI-1, Associate Degree, 2023 - 2024, 2022 - 2023, 2021 - 2022  
ISITMA TESİSATI PLANLAMASI, Associate Degree, 2023 - 2024, 2022 - 2023, 2020 - 2021  
MESLEKİ ÇALIŞMA-1, Associate Degree, 2023 - 2024, 2022 - 2023  
HEATING INSTALLATION TECHNOLOGY, Associate Degree, 2022 - 2023  
DOĞALGAZ TESİSATI TEKNOLOJİSİ, Associate Degree, 2021 - 2022  
GÜNEŞ ENERJİSİ İLE KONUT ISITMA, Associate Degree, 2021 - 2022  
ELECTRICITY GENERATION WITH WIND ENERGY , Associate Degree, 2019 - 2020  
RESIDENTIAL SOLAR HEATING SYSTEMS, Associate Degree, 2019 - 2020  
MATHEMATICS I, Associate Degree, 2019 - 2020  
RÜZGAR ENERJİSİ İLE ELEKTRİK ÜRETİMİ, Associate Degree, 2019 - 2020  
MALZEME BİLGİSİ, Associate Degree, 2017 - 2018  
BİLGİSAYARDA HAKEDİŞ UYGULAMALARI, Associate Degree, 2017 - 2018  
SIHHİ TESİSAT ATÖLYE BİLGİSİ I, Associate Degree, 2017 - 2018  
DOĞALGAZ TESİSATI TEKNOLOJİSİ, Associate Degree, 2017 - 2018  
GENEL ISI BİLGİSİ, Associate Degree, 2017 - 2018  
SIHHİ TESİSAT TEKNOLOJİSİ, Associate Degree, 2017 - 2018  
İŞ SAĞLIĞI VE GÜVENLİĞİ, Associate Degree, 2017 - 2018

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

- I. **Experimental study on a spark ignition engine fueled by CH<sub>4</sub>/H-2 (70/30) and LPG**  
AKANSU S. O., Bayrak M.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.15, pp.9260-9266, 2011 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Study of CH<sub>4</sub>/H-2 Mixtures in Internal Combustion Engines**  
KAHRAMAN N., CEPER B. A., AKANSU S. O., BAYRAK M.  
CTSI Clean Technology and Sustainable Industries Conference and Expo, Clean Technology 2011,  
Boston, Massachusetts, United States Of America, 13 June 2011, pp.25-30

## Metrics

Publication: 2

Citation (WoS): 14

Citation (Scopus): 15

H-Index (WoS): 1

H-Index (Scopus): 1