

## Res. Asst. MUSTAFA AYDEMİR

### Personal Information

**Email:** mustafaaydemir@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr//mustafaaydemir>

### International Researcher IDs

ORCID: 0000-0002-4771-476X

Publons / Web Of Science ResearcherID: AAK-2808-2020

Yoksis Researcher ID: 20179

### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2014 - Continues

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2012 - 2014

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2004 - 2008

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Rüzgar Türbinlerinde Kullanılan DA/AA Evirici Modellemesi ve Analizi, Gebze Yüksek Teknoloji Enstitüsü, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2014

### Research Areas

Electrical and Electronics Engineering, Power Electronics, Electric Motor Drivers, Power Converters, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2014 - Continues

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Makine Mühendisliği, 2009 - 2009

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

1. **An innovative and non-intrusive Hall effect sensor-based rotor position detection system for external rotor switched reluctance motor**  
AYDEMİR M.

Electrical Engineering, vol.106, no.1, pp.1009-1019, 2024 (SCI-Expanded)

**II. Phase flux linkage estimation of external rotor switched reluctance motor with NARX neural network**

Aydemir M., Okumus H. İ.

ELECTRICAL ENGINEERING, vol.1, no.1, pp.1-11, 2023 (SCI-Expanded)

## **Refereed Congress / Symposium Publications in Proceedings**

**I. Torque Ripple Minimization in Double U Core Switched Reluctance Motor**

AYDEMİR M., OKUMUŞ H. İ., MOLLAHASANOĞLU M.

2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, Hungary, 26 - 30 August 2018

**II. Investigation of the Solar Angles Change for Motion Control of Two-Axis Solar Tracking Systems**

MOLLAHASANOĞLU M., OKUMUŞ H. İ., TEZDE E. İ., AYDEMİR M.

2018 IEEE 18th International Power Electronics and Motion Control Conference (PEMC), Budapest, Hungary, 26 - 30 August 2018

## **Supported Projects**

AYDEMİR M., TUBITAK Project, Dıştan rotorlu anahtarlama relüktans motor ve sürücüsü üretimi, 2019 - Continues

## **Metrics**

Publication: 4

Citation (Scopus): 5

H-Index (Scopus): 1

## **Non Academic Experience**

Business Establishment Private, Avrupa Serbest Bölgesi Kurucu Ve İşleticisi A.Ş

Avrupa Serbest Bölgesi Kurucu ve İşleticisi A.Ş

Business Establishment Private, Farel Plastik A.Ş

Farel Plastik Elektrik Elektronik A.Ş