# Res. Asst. GÖKHAN ÇAKAL

## Personal Information

**Office Phone:** +90 312 210 6088
**Email:** gcakal@metu.edu.tr
**Web:** https://avesis.metu.edu.tr/gcakal

**International Researcher IDs**
ScholarID: c6JMHMwAAAAJ
ORCID: 0000-0002-7665-6271
Publons / Web Of Science ResearcherID: ABA-1469-2020
ScopusID: 57210440001
Yoksis Researcher ID: 283026

## Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2018 - Continues

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

I. **Mechanical and Thermal Design of an Optimized PCB Motor for an Integrated Motor Drive System with GaNFETs**
TOKGÖZ F., Gulsuna O., KARAKAYA F., ÇAKAL G., KEYSAN O.
IEEE Transactions on Energy Conversion, vol.38, no.1, pp.653-661, 2023 (SCI-Expanded)

II. **Flat winding made of aluminum or copper sheet for axial flux machines**
ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, vol.15, no.4, pp.429-440, 2021 (SCI-Expanded)

III. **Axial flux generator with novel flat wire for direct-drive wind turbines**
Çakal G., Keysan O.
IET RENEWABLE POWER GENERATION, vol.15, no.1, pp.139-152, 2021 (SCI-Expanded)

IV. **Comparison of PCB winding topologies for axial-flux permanent magnet synchronous machines**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
IET ELECTRIC POWER APPLICATIONS, vol.14, no.13, pp.2577-2586, 2020 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

I. **Design and implementation of an optimized printed circuit board axial-flux permanent magnet machine**
TOKGÖZ F., ÇAKAL G., KEYSAN O.
2020 International Conference on Electrical Machines, ICEM 2020, Virtual, Gothenburg, Sweden, 23 - 26 August 2020, pp.111-116

II. **Design of Double Sided Linear Motor with Easy to Manufacture Hairpin Plate Winding**
ÇAKAL G., KEYSAN O.
12th International Symposium on Linear Drives for Industry Applications (LDIA), Neuchatel, Switzerland, 1 - 03

July 2019

III. **Design and Optimization of Reduced Torque Ripple Rotary Voice Coil Motor**
Çakal G., Zeinali R., KEYSAN O.
2018 XIII International Conference on Electrical Machines (ICEM), Alexandroupoli, Greece, 3 - 06 September 2018, pp.663

## Metrics

Publication: 7
Citation (WoS): 4
Citation (Scopus): 28
H-Index (WoS): 1
H-Index (Scopus): 4