

## Res. Asst. Tunahan SAPMAZ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey 2021  
- Continues

Postgraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey  
2019 - 2021

### Research Areas

Electrical Machine Theory and Design

### Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department,  
2020 - Continues

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

- I. **Non-linear Analytical Model For Bread-Loaf Permanent Magnet Machine**  
SAPMAZ T., Ocak O., ÖNER Y.  
Journal of Electrical Engineering and Technology, 2024 (SCI-Expanded)
- II. **Non-linear analytical model for synchronous reluctance machine**  
Solak B., SAPMAZ T., ÖNER Y.  
Journal of Magnetism and Magnetic Materials, vol.571, 2023 (SCI-Expanded)
- III. **A novel hybrid model of electromagnetic performance for induction machine**  
SAPMAZ T., ÖNER Y.  
ELECTRICAL ENGINEERING, vol.104, no.5, pp.3381-3390, 2022 (SCI-Expanded)
- IV. **Improved magnetic equivalent circuit for dual stator consequent pole permanent magnet machine**  
SAPMAZ T., ÖNER Y.  
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.550, 2022 (SCI-Expanded)

### Papers Published in Refereed Scientific Meetings

- I. **Analysis and Optimization of Detent Force of Linear Permanent Magnet Synchronous Machine**  
Turun F., Sapmaz T., Öner Y.  
1st International Conference on Scientific and Academic Research, İstanbul, Turkey, 10 December 2022, pp.1-5
- II. **Design and Analysis of Three Phase Squirrel Cage Induction Motor**  
Sapmaz T., Suli S., Altındağ S., Şenol İ., Öner Y.  
1st International Conference on Scientific and Academic Research, İstanbul, Turkey, 10 December 2022, pp.1-5
- III. **Optimization of Three Phase Squirrel Cage Induction Motor**  
SAPMAZ T., ETCİ H., ŞENOL İ., ÖNER Y.  
2022 IEEE Global Energy Conference, GEC 2022, Batman, Turkey, 26 - 29 October 2022, pp.148-153
- IV. **Analytical model of High Speed Permanent Magnet Synchronous Machine**  
Sapmaz T., Öner Y.  
ENTECH 2019, İstanbul, Turkey, 19 December 2019, pp.1-5

## **Metrics**

Publication: 10