

## Lect. PhD Özgün Girgin

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 184301

### Biography

Özgün Girgin received the BS, MS and PhD degrees in Electrical Engineering from Yildiz Technical University, Turkey, in 2010, 2013 and, 2019 respectively. He is also a teaching assistant in the Department of Physics Engineering, Istanbul Technical University. His research interests include AC–DC converters, inverters, power quality and soft switching techniques in power electronics. He was also employed in two research projects concerning power electronics.

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Turkey 2013 - 2019

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, Turkey 2010 - 2013

Undergraduate, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey 2005 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Empedans kaynaklı inverterler için yeni bir kontrol yönteminin geliştirilmesi ve uygulanması, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, 2019

Postgraduate, Düşük harmonikli ve yüksek güç faktörlü yüksek güçlü doğrultucunun gerçekleştirilmesi, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Elektrik Mühendisliği, 2013

### Research Areas

Engineering and Technology

## Academic Titles / Tasks

Lecturer PhD, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2019 - Continues

Research Assistant, Yıldız Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2012 - 2019

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

- I. **A hybrid control strategy for Z-source inverter DG systems**  
Girgin Ö., SARUL M. H.  
AUTOMATIKA, vol.60, no.4, pp.500-509, 2019 (SCI-Expanded)
- II. **A Novel Space Vector Modulation Based Control Strategy for Z-Source Inverter**  
Erginer V., Girgin Ö.  
INFORMACIJE MIDEM-JOURNAL OF MICROELECTRONICS ELECTRONIC COMPONENTS AND MATERIALS, vol.48, no.3, pp.145-153, 2018 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A High Power Thyristor Rectifier with Low Harmonics and High Power Factor**  
GİRGİN Ö., BAKAN A. F.  
International Journal of Scientific and Technological Research, vol.5, pp.119-128, 2019 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Analysis and Comparison of Control Methods of Z Source Inverters Used in Photovoltaic Systems**  
International Conference on Electrical Engineering and Electronics  
GİRGİN Ö., VOLKAN E., SARUL M. H.  
International Conference on Electrical Engineering and Electronics, BARCELONA, Spain, 13 - 14 July 2015, pp.148-159

## Metrics

Publication: 10

Citation (WoS): 2

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1

## Non Academic Experience

Esis Power