

## Res. Asst. ONUR KIRCIOĞLU

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-7714-2017

ScopusID: 57193074135

Yoksis Researcher ID: 251053

### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, Turkey 2017 - Continues

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Mühendisliği (YL) (Tezli), Turkey 2014 - 2017

Undergraduate, Kocaeli University, Mühendislik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 2009 - 2014

### Dissertations

Postgraduate, Fotovoltaik sistemlerde maksimum güç noktası izleyebilen iki fazlı sepic dönüştürücü tasarımı ve uygulaması, Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Mühendisliği (YL) (Tezli), 2017

### Research Areas

Renewable energy, Power Electronics, Electric Motor Drivers, Power Converters

### Academic Titles / Tasks

Research Assistant, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2016 - Continues

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

- Large-signal analysis based on nonlinear algebraic equations for an integrated photovoltaic module-converter system**  
KIRCIOĞLU O., YILDIZ A. B.  
JOURNAL OF COMPUTATIONAL ELECTRONICS, vol.19, no.2, pp.866-874, 2020 (SCI-Expanded)

### Articles Published in Other Journals

- Performance evaluation of the perturb observe and incremental conductance algorithms according**

to the EN 50530 dynamic efficiency testDeğiştirgözle ve artımsal iletkenlik algoritmalarının EN 50530 dinamik verim testine göre performanslarının değerlendirilmesi  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.22, pp.85-93, 2018 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The Comparison of Different Modulation Methods for Dual-Active-Bridge**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
14th International Conference on Electronics, Computers and Artificial Intelligence, ECAI 2022, Ploiesti, Romania, 30 June - 01 July 2022
- II. **The PSO Based Global Maximum Power PointTracker**  
Kircioğlu O., Ünlü M., Çamur S.  
11th International Conference on Electronics, Computers and Artificial Intelligence (ECAI), Pitesti, Romania, 27 - 29 June 2019
- III. **PSO TABANLI MAKSİMUM GÜÇ NOKTASI İZLEYİCİNİN SEPIC DA-DA DÖNÜŞTÜRÜCÜ İLE GERÇEKLEŞTİRİLMESİ**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
Uluslararası Marmara Fen ve Sosyal Bilimler Kongresi (imascongress), Kocaeli, Turkey, 26 - 28 April 2019
- IV. **Maximum Power Point Tracker Based on Particle Swarm Optimization Technique for Uniform and Non-Uniform Solar Radiation Conditions**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
SOLARTR 2018 CONFERENCE EXHIBITION, İstanbul, Turkey, 29 - 30 November 2018, pp.119-125
- V. **Implementing Peak Current Mode Control of Interleaved SEPIC Converter**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
International Conference on Engineering Technologies, Konya, Turkey, 26 - 28 October 2018, pp.274-277
- VI. **Two-Phase Interleaved SEPIC MPPT Using Coupled Inductors in Continuous Conduction Mode**  
ÜNLÜ M., KIRCIOĞLU O., ÇAMUR S.  
IEEE 18th International Conference on Power Electronicsand Motion Control (PEMC), Budapest, Hungary, 26 - 30 August 2018, pp.216-220
- VII. **High Efficient Maximum Power Point Tracking with the Peak-Current-Mode-Controlled Interleaved SEPIC with Coupled Inductor**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
1st International Conference on Energy Systems Engineering, 2 - 04 November 2017, pp.376-381
- VIII. **Evaluating Dynamic Efficiency of Maximum Power Point Tracker According to the En 50530 Standard**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
SOLAR TR2016, İstanbul, Turkey, 6 - 08 December 2016
- IX. **Modeling and Analysis of DC DC SEPIC Converter with Coupled Inductors**  
KIRCIOĞLU O., ÜNLÜ M., ÇAMUR S.  
XI International Symposium on Industrial Electronics - INDEL 2016, Banja Luka, Bosnia And Herzegovina, 3 - 05 November 2016, pp.1-5
- X. **Fotovoltaik Panelin Tek Diyotlu Eşdeğer Devresine ait Büyük Sinyal Analizi**  
KIRCIOĞLU O., YILDIZ A. B.  
6. ENERJİ VERİMLİLİĞİ, KALİTESİ SEMPOZYUMU VE FUARI, Turkey, 4 - 06 June 2015

## Metrics

Publication: 12

Citation (WoS): 3

Citation (Scopus): 44

H-Index (WoS): 1

H-Index (Scopus): 3