

# **Prof. ŞULE ÖZDEMİR**

## **Personal Information**

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## **International Researcher IDs**

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Publons / Web Of Science ResearcherID: F-7249-2018

Yoksis Researcher ID: 101870

## **Education Information**

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Anabilim Dalı, Turkey 1997 - 2003

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Anabilim Dalı, Turkey 1994 - 1997

Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 1990 - 1994

## **Research Areas**

Electrical and Electronics Engineering

## **Academic Titles / Tasks**

Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2019 - Continues

Associate Professor, Kocaeli University, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - 2019

Assistant Professor, Kocaeli University, Teknik Eğitim Fakültesi, Elektrik Eğitimi, 2004 - 2012

## **Courses**

Enerji Sistemleri Mühendisliğine Giriş, Undergraduate, 2023 - 2024

## **Jury Memberships**

Associate Professor Exam, Associate Professor Exam, Kocaeli University, June, 2023

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

- I. **Dynamic energy management for photovoltaic power system including hybrid energy storage in smart grid applications**  
Aktas A., Erhan K., Özdemir Ş., Özdemir E.  
ENERGY, vol.162, pp.72-82, 2018 (SCI-Expanded)
- II. **Experimental investigation of a new smart energy management algorithm for a hybrid energy storage system in smart grid applications**

- Aktas A., Erhan K., Özdemir Ş., Özdemir E.  
 Electric Power Systems Research, vol.144, pp.185-196, 2017 (SCI-Expanded)
- III. Opportunities and challenges for energy storage applications in smart grid**  
 ÖZDEMİR E., ÖZDEMİR Ş., Erhan K., Aktas A.  
 JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.2, pp.499-506, 2017 (SCI-Expanded)
- IV. 3-Phase 4-leg unified series-parallel active filter system with ultracapacitor energy storage for unbalanced voltage sag mitigation**  
 UÇAR M., ÖZDEMİR Ş.  
 INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.49, pp.149-159, 2013 (SCI-Expanded)
- V. A unified series-parallel active filter system for nonperiodic disturbances**  
 UÇAR M., ÖZDEMİR Ş., ÖZDEMİR E.  
 Turkish Journal of Electrical Engineering and Computer Sciences, vol.19, no.4, pp.575-596, 2011 (SCI-Expanded)
- VI. A four-leg unified series-parallel active filter system for periodic and non-periodic disturbance compensation**  
 UÇAR M., ÖZDEMİR Ş., ÖZDEMİR E.  
 ELECTRIC POWER SYSTEMS RESEARCH, vol.81, no.5, pp.1132-1143, 2011 (SCI-Expanded)
- VII. Fundamental-Frequency-Modulated Six-Level Diode-Clamped Multilevel Inverter for Three-Phase Stand-Alone Photovoltaic System**  
 Özdemir E., Özdemir Ş., Tolbert L. M.  
 IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.56, pp.4407-4415, 2009 (SCI-Expanded)

### Articles Published in Other Journals

- I. Modelling and Comparative Analysis of Different Type of Batteries Used for Renewable Energy Support**  
 Kircicek Y., Aktas A., ÖZDEMİR Ş.  
 JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, vol.20, no.1, pp.83-90, 2017 (ESCI)
- II. Yenilenebilir Enerji Desteği için Kullanılan Farklı Tip Bataryaların Modellemesi ve Karşılaştırmalı Analizi**  
 Kirçiçek Y., AKTAŞ A., ÖZDEMİR Ş.  
 Politeknik dergisi, vol.20, no.1, pp.83-90, 2017 (Peer-Reviewed Journal)
- III. Doğrusal Olmayan Yüklerde Aktif Güç Filtresi ile Harmoniklerin Filtrelenmesi ve Reaktif Güç Kompanzasyonu**  
 ÖZDEMİR Ş., KUŞDOĞAN Ş.  
 Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.20, no.2, pp.225-232, 2005 (Scopus)
- IV. Esnek Alternatif Akım İletim Sistemleri (EAAİS)**  
 ÖZDEMİR Ş., KUŞDOĞAN Ş.  
 Kaynak Elektrik Dergisi, pp.118-121, 2003 (Non Peer-Reviewed Journal)
- V. Aktif filtrelerin güç kalite düzenleyicisi olarak kullanımı - 2.Bölüm**  
 ÖZDEMİR Ş., KUŞDOĞAN Ş.  
 3e Electrotech'03, no.106, pp.138-141, 2003 (Non Peer-Reviewed Journal)
- VI. Aktif filtrelerin güç kalite düzenleyicisi olarak kullanımı**  
 ÖZDEMİR Ş., KUŞDOĞAN Ş.  
 3e Electrotech, no.105, pp.78-82, 2003 (Non Peer-Reviewed Journal)

## **Metrics**

Publication: 26  
Citation (WoS): 376  
Citation (Scopus): 513  
H-Index (WoS): 8  
H-Index (Scopus): 9