

Lect. PhD NİHAL ÇETİN ACAR

Personal Information

Email: nihalcetinacar@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/nihalcetin>

International Researcher IDs

ORCID: 0000-0002-4331-2501

Yoksis Researcher ID: 176633

Education Information

Doctorate, Akdeniz University, Institute Of Science, Institute Of Science, Turkey 2019 - 2024

Postgraduate, Akdeniz University, Institute of Science, Institute of Science, Turkey 2009 - 2014

Undergraduate, Kütahya Dumlupınar University, Faculty of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 2005 - 2009

Research Areas

Electrical and Electronics Engineering, Power Electronics, Power Converters, Engineering and Technology

Academic Titles / Tasks

Lecturer, Akdeniz University, Korkuteli Vocational School, Department of Electronics and Automation, 2018 - Continues

Research Assistant, Akdeniz University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2010 - 2014

Courses

Undergraduate

Güç Elektroniği Laboratuvarı II, Undergraduate, 2023 - 2024

İş Sağlığı ve Güvenliği, Undergraduate, 2023 - 2024

Associate Degree

Elektronik Güvenlik Sistemleri, Associate Degree, 2023 - 2024

Elektronik Meslek Bilgisi ve Güvenlik, Associate Degree, 2023 - 2024

Elektronik I, Associate Degree, 2023 - 2024

RF Tekniği, Associate Degree, 2023 - 2024

Fiber Optik Haberleşmesi, Associate Degree, 2023 - 2024

Elektronik II, Associate Degree, 2023 - 2024

TV/Radyo Teknolojisi, Associate Degree, 2023 - 2024

Ölçme Tekniği, Associate Degree, 2023 - 2024

Endüstriyel Elektronik Uygulamaları, Associate Degree, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Inductor based I-V curve measurement method for photovoltaic panels**
Börekci S., Çetin Acar N.
Engineering Research Express, vol.6, no.1, pp.1-8, 2024 (SCI-Expanded)
- II. **Design and Implementation of A LED Driver Circuit with Dimming Function without Burst Mode at Constant Switching Frequency**
Börekci S., Çetin Acar N., Özdem Ş., Kırçay A.
LIGHT AND ENGINEERING, vol.31, no.6, pp.58-63, 2023 (SCI-Expanded)
- III. **LED dimming technique without frequency and pulse width modulations**
BÖREKÇİ S., Acar N. C., Kırçay A.
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.46, no.11, pp.2028-2037, 2018 (SCI-Expanded)
- IV. **HIGH-BRIGHTNESS AND LOW-COST LED DRIVER - DC OR AC?**
BÖREKÇİ S., Acar N. C.
ELECTRONICS WORLD, vol.121, no.1950, pp.34-36, 2015 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

- I. **Magnetically Dimmable Half Bridge Current Fed LED Driver**
ÇETİN ACAR N.
ADVANCES in ROBOTICS, MECHATRONICS and CIRCUITS, Santorini, Greece, 21 - 24 July 2014, pp.150-154
- II. **An Accurate Way of Determining BJT's Switching Loss in Medium and High Voltage Applications**
BÖREKÇİ S., Çetin Acar N.
2012 IEEE International Conference on Electronics Design, Systems and Applications, Kuala Lumpur, Malaysia, 5 - 06 November 2012, pp.210-213

Metrics

Publication: 6

Citation (WoS): 5

Citation (Scopus): 9

H-Index (WoS): 1

H-Index (Scopus): 1