

## Asst. Prof. NİSA NACAR ÇIKAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: E-5095-2018

Yoksis Researcher ID: 236716

### Education Information

Doctorate, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2016 - 2020

Postgraduate, Polytechnic Institute of New York, Electrical and Computer Engineering, Electrical and Computer Engineering, United States Of America 2009 - 2011

### Foreign Languages

English, C1 Advanced

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - Continues

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

- I. **Reconfiguration of 123-bus unbalanced power distribution network analysis by considering minimization of current & voltage unbalanced indexes and power loss**  
NACAR ÇIKAN N., ÇIKAN M.  
International Journal of Electrical Power and Energy Systems, vol.157, 2024 (SCI-Expanded)
- II. **Data erasure in Fabry-Perot Diode Lasers: effects of facet reflectivity**  
Cikan N., Aksoy M.  
JOURNAL OF MODERN OPTICS, vol.67, no.6, pp.515-522, 2020 (SCI-Expanded)
- III. **Data erasure analysis of FPLD based on remodulation bidirectional PON system**  
Cikan N., AKSOY M.  
JOURNAL OF MODERN OPTICS, vol.67, no.2, pp.139-145, 2020 (SCI-Expanded)
- IV. **A Review of Self-Seeded RSOA Based on WDM PON**  
CIKAN N., AKSOY M.

## Articles Published in Other Journals

- I. **Renksiz Kaynağın Pasif Optik Ağ Sisteminde Veri Silme Analizi**  
NACAR ÇIKAN N., AKSOY M.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.36, no.1, pp.63-70, 2021 (Peer-Reviewed Journal)
- II. **Q FACTOR AND BER ANALYSIS OF A PON SYSTEM AT DIFFERENT DISTANCES IN BIDIRECTIONAL OPTICAL FIBER COMMUNICATION**  
NACAR ÇIKAN N., AKSOY M.  
Advanced Research in Electrical Electronics Systems (AREES), vol.2, no.2, pp.44-50, 2017 (Peer-Reviewed Journal)
- III. **A 10-GS/s 3 bit Flash ADC in 180 nm CMOS**  
Nacar Çıkan N., AKSOY M.  
Advanced Research in Electrical Electronics Systems (AREES), vol.2, no.1, pp.1-6, 2017 (Peer-Reviewed Journal)
- IV. **Analog Dijital Çeviricilerin İncelenmesi**  
NACAR ÇIKAN N., AKSOY M., Büyükgüzel B.  
Kahramanmaraş Sutcu Imam University Journal of Engineering Sciences, vol.19, no.3, pp.1-194, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **PV SİSTEMLER İÇİN KULLANILAN GELENEKSEL MPPT TEKNİKLERİNİN HIZLI DEĞİŞEN SOLAR RADYASYON VE SICAKLIK ALTINDA KARŞILAŞTIRILMASI**  
ŞEKER M., NACAR ÇIKAN N.  
in: MUHENDISLIK VE MIMARLIK BİLİMLERİ Teori, Güncel Araştırmalar ve Yeni Eğilimler-2, , Editor, IVPE, Centinje, pp.95-114, 2020
- II. **DALGA BOYU BÖLMELİ ÇOĞULLAMALI PASİF OPTİK AĞLARDA FARKLI MODÜLASYON TEKNİKLERİNİN KARŞILAŞTIRILMASI**  
NACAR ÇIKAN N., ŞEKER M.  
in: MÜHENDİSLİK VE MİMARLIK BİLİMLERİ Teori, Güncel Araştırmalar ve Yeni Eğilimler-2, , Editor, IVPE, Cetinje, pp.115-132, 2020

## Refereed Congress / Symposium Publications in Proceedings

- I. **Determination of the Most Suitable Method for Long-Haul Transmission by Applying hybrid WDM PON and QAM-OFDM PON Techniques**  
Alkan M. L., NACAR ÇIKAN N., AKSOY M.  
The 5th International Engineering Research Symposium (INERS'24), 7 - 09 March 2024, pp.319-325
- II. **Comparison of NRZ and RZ in Bidirectional Fiber Communication**  
NACAR ÇIKAN N., AKSOY M.  
International Mediterranean Science and Engineering Congress (IMSEC), Adana, Turkey, 25 - 27 October 2017, pp.1621-1627
- III. **Low Cost and Colorless Solution for WDM PON Systems**  
NACAR ÇIKAN N., AKSOY M.  
International Mediterranean Science and Engineering Congress (IMSEC), Adana, Turkey, 25 - 27 October 2017, pp.1615-1620

- IV. **Q FACTOR AND BER ANALYSIS OF A PON SYSTEM AT DIFFERENT DISTANCES IN BIDIRECTIONAL OPTICAL FIBER COMMUNICATION**  
NACAR ÇIKAN N., AKSOY M.  
INTERNATIONAL ENGINEERING CONFERENCE(IEC), Antalya, Turkey, 19 - 21 October 2017, pp.28-34
- V. **STATIC AND DYNAMIC CHARACTERISTICS OF FLASH ANALOG TO DIGITAL CONVERTER**  
Nacar Çıkan N., AKSOY M.  
INTERNATIONAL ENGINEERING CONFERENCE(IEC), Antalya, Turkey, 19 - 21 October 2017, pp.173-180
- VI. **4 bit Flash Analog to Digital Converter**  
NACAR ÇIKAN N., AKSOY M.  
3RD INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapest, Hungary, 3 - 07 May 2017
- VII. **A Review of Emerging Optical Access Solutions for Broadband Access**  
NACAR ÇIKAN N., AKSOY M.  
3RD INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES(ICENS), Budapest, Hungary, 3 - 07 May 2017, pp.238-243
- VIII. **HYBRID TYPE OF PHOTONIC ANALOG TODIGITAL CONVERTERS**  
NACAR ÇIKAN N., AKSOY M.  
ICAT, Roma, Italy, 23 - 26 November 2016
- IX. **A 10 GS s 3 bit Flash ADC in 180 nm CMOS**  
NACAR ÇIKAN N., AKSOY M.  
INESEG, Turkey, 1 - 03 December 2016
- X. **ANALOG DİJİTAL ÇEVİRİCİLERİN PERFORMANS BELİRLEYİCİ PARAMETRELERİ**  
NACAR ÇIKAN N., AKSOY M.  
INESEG, Turkey, 1 - 03 December 2016
- XI. **Analog to Digital Converters Performance Evaluation Using Figure of Merits in Industrial Applications**  
CIKAN N., AKSOY M.  
10th UKSim-AMSS European Modelling Symposium on Computer Modelling and Simulation (EMS), Pisa, Italy, 28 - 30 November 2016, pp.205-209

## **Metrics**

Publication: 21

Citation (WoS): 17

Citation (Scopus): 26

H-Index (WoS): 3

H-Index (Scopus): 2