

MURAT AKSOY

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Learning Knowledge

Doctorate 1991 - 1999	Gaziantep University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh. Böl., Turkey
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Post Graduate 1989 - 1991	Gaziantep University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Müh. Böl., Turkey
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Under Graduate 1984 - 1988	Middle East Technical University, Elektrik-Elektronik Müh. Böl., Turkey
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Academic Titles / Tasks

Associate Professor 2019 - Continues	Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği
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Assistant Professor 2018 - 2019	Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği
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Assistant Professor 1999 - 2018	Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği
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Lecturer 1994 - 2009	Gaziantep University, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Böl.
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Research Assistant 1989 - 1994	Gaziantep University, Mühendislik Fakültesi, Elektrik-Elektronik Müh. Böl.
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Supported Projects

- AKSOY M., Altıntaş O., ÜNAL E., Project Supported by Higher Education Institutions, Metamalzeme Tabanlı Sensörlerin Endüstriyel Uygulamaları, 2018 - 2020
- AKSOY M., Nacar Çıkan N., Project Supported by Higher Education Institutions, Dalgaboyu Bölmeli Çoğullamalı Pasif Optik Ağlara Dayanan Renksiz Kaynakların Modellenmesi ve Analizi, 2016 - 2020
- AKILLI H., AKSOY M., GEREN N., DURHASAN T., BOZTEPE M. H. , UZAY Ç., ÖZKAN G. M. , Project Supported by Higher Education Institutions, Yerli Elektrikli Hafif Otomobil Tasarım ve İmalatı, 2016 - 2019
- AKSOY M., BÜYÜKGÜZEL B., Project Supported by Higher Education Institutions, PV Panel Modellenmesi ve PV Emülatör Cihazının Geliştirilmesi, 2015 - 2018

Jury Memberships

Doctoral Examination, Doctoral Examination, Mersin Üniversitesi, December, 2020

Doctorate, Doctorate, Çukurova Üniversitesi, August, 2020

Doctorate, Doctorate, Çukurova Üniversitesi, August, 2020

Competition, TÜBİTAK-ORTAOKUL ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, October, 2019

Competition, TÜBİTAK-LİSE ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, TÜBİTAK, September, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 1. Operating Frequency Reconfiguration Study for a Split Ring Resonator Based Microfluidic Sensor**
Altıntaş O., Aksoy M., Ünal E., Karaaslan M., Sabah C.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.167, no.14, 2020 (Journal Indexed in SCI)
- 2. A Novel MPPT Method Based on Inflection Voltages**
Kesilmis Z., Karabacak M. A., AKSOY M.
JOURNAL OF CLEANER PRODUCTION, vol.266, 2020 (Journal Indexed in SCI)
- 3. 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 (Journal Indexed in SCI)
- 4. Design of a metamaterial inspired omega shaped resonator based sensor for industrial implementations**
ALTINTAŞ O., AKSOY M., ÜNAL E.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.116, 2020 (Journal Indexed in SCI)
- 5. 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 (Journal Indexed in SCI)
- 6. A Review of Self-Seeded RSOA Based on WDM PON**
CIKAN N., AKSOY M.
CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE, vol.42, no.1, pp.2-9, 2019 (Journal Indexed in SCI)
- 7. Artificial neural network approach for locomotive maintenance by monitoring dielectric properties of engine lubricant**
ALTINTAŞ O., AKSOY M., ÜNAL E., AKGÖL O., KARAASLAN M.
MEASUREMENT, vol.145, pp.678-686, 2019 (Journal Indexed in SCI)
- 8. Chemical Liquid and Transformer Oil Condition Sensor Based on Metamaterial-Inspired Labyrinth Resonator**
Altintas O., Aksoy M., Unal E., Karaaslan M.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.166, no.6, 2019 (Journal Indexed in SCI)
- 9. A Split Meander Line Resonator-Based Permittivity and Thickness Sensor Design for Dielectric Materials with Flat Surface**
Altintas O., AKSOY M., Unal E., Karakasli F., Karaaslan M.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.10, pp.6185-6192, 2018 (Journal Indexed in SCI)
- 10. Fluid, Strain and Rotation Sensing Applications by Using Metamaterial Based Sensor**
Altintas O., AKSOY M., Akgöl O., Unal E., Karaaslan M., Sabah C.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.12, 2017 (Journal Indexed in SCI)
- 11. A current-based simple analog MPPT circuit for PV systems**
Büyükgüzel B., AKSOY M.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.5, pp.3621-3637, 2016 (Journal Indexed in SCI)
- 12. A novel approach to active power filter control**

- PALANDOKEN M., Tumay M., Aksoy M.
ELECTRICAL ENGINEERING, vol.87, no.1, pp.33-39, 2005 (Journal Indexed in SCI)
13. **Application of fuzzy logic controller to active power filters**
PALANDOKEN M., Aksoy M., Tumay M.
ELECTRICAL ENGINEERING, vol.86, no.4, pp.191-198, 2004 (Journal Indexed in SCI)
14. **A fuzzy-controlled single-phase active power filter operating with fixed switching frequency for reactive power and current harmonics compensation**
PALANDOKEN M., Aksoy M., Tumay M.
ELECTRICAL ENGINEERING, vol.86, no.1, pp.9-16, 2003 (Journal Indexed in SCI)
15. **High output impedance current-mode third-order Butterworth filter topologies employing unity gain voltage buffers and equal-valued passive components**
Aksoy M., OZCAN S., CICEKOGLU O., KUNTMAN H.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.90, no.9, pp.589-598, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **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 (Other Refereed National Journals)
2. **Fotovoltaik Paneller için Parametre Kestirim Sistemi**
Özcan K., KESİLMİŞ Z., AKSOY M., KARABACAK M. A. , Büyükgüzel B.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.623-630, 2020 (Refereed Journals of Other Institutions)
3. **Misalignment fault detection by wavelet analysis of vibration signals**
YILMAZ Ö., AKSOY M., Kesilmiş Z.
International Advanced Researches and Engineering Journal, vol.3, no.3, pp.156-163, 2019 (Refereed Journals of Other Institutions)
4. **Gerilim Kontrollü İkinci Nesil Akım Taşıyıcı Tabanlı Yüksek KazançlıBant Geçiren Süzgeç**
AKSOY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.1, pp.83-86, 2018 (Other Refereed National Journals)
5. **Q FACTOR AND BER ANALYSIS OF A PON SYSTEM AT DIFFERENT DISTANCES IN BIDIRECTIONAL OPTICAL FIBER COMMUNICATION**
Nacar Çıkan N., AKSOY M.
Advanced Research in Electrical Electronics Systems (AREES), vol.2, no.2, pp.44-50, 2017 (Refereed Journals of Other Institutions)
6. **Q FACTOR AND BER ANALYSIS OF A PON SYSTEMAT DIFFERENT DISTANCES IN BIDIRECTIONAL OPTICAL FIBER COMMUNICATION**
NACAR ÇIKAN N., AKSOY M.
AdvancedResearchinElectricalElectronics Systems (AREES), vol.2, no.2, pp.44-50, 2017 (Refereed Journals of Other Institutions)
7. **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 (Refereed Journals of Other Institutions)
8. **Analog Dijital Çeviricilerin İncelenmesi**
NACAR ÇIKAN N., AKSOY M., Büyükgüzel B.
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9. **Analog Dijital Çeviricilerin İncelenmesi**
Nacar Çıkan N., AKSOY M., Büyükgüzel B.
Kahramanmaraş Sutcu Imam University Journal of Engineering Sciences, vol.19, no.3, 2016 (Other Refereed National Journals)
10. **ASIC design for ANN based controller of MEMS accelerometer**
Kesilmiş Z., Aksoy M.
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11. **Microcontroller Based Maximum Power Point Tracker for Solar Panels**
Büyükgüzel B., Aksoy M.
Fen ve Mühendislik Bilimleri Dergisi, vol.29, no.3, pp.59-68, 2013 (National Non-Refereed Journal)
12. **SIP Phone Application on Single Board Computer with Arm Microprocessor**
Altun T., Aksoy M.
Fen ve Mühendislik Bilimleri Dergisi, vol.25, no.6, pp.154-164, 2011 (National Non-Refereed Journal)
13. **Computer Simulation for Series Hybrid Electrical Vehicle**
AĞYEL S., AKSOY M.
Fen ve Mühendislik Bilimleri Dergisi, vol.25, no.2, pp.147-152, 2011 (National Non-Refereed Journal)
14. **Neural Network Based Ultrasonic Level Measurement of Fluids**
Ağyel S., AKSOY M.
Fen ve Mühendislik Bilimleri Dergisi, vol.23, no.2, pp.88-94, 2010 (National Non-Refereed Journal)
15. **Symbolic Analysis Methods for Switched Capacitor Networks**
Ağyel S., AKSOY M.
Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.1, pp.227-235, 2010 (National Non-Refereed Journal)
16. **Küçük ölçekli insansız helikopter kontrol deney seti tasarımı ve simulasyonu**
KÖSE E., YAMAÇLI S., ÜLTANIR Y. G. , ÖZÇELİK B., AKSOY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.23, no.2, pp.247-256, 2008 (Refereed Journals of Other Institutions)
17. **Gerilim Kararlılığı İyileştiricilerinin Farklı Salınım Barası Seçiminde Kritik Yüklenme Sınırlarına Etkileri**
ABACI K., AKSOY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.23, no.1, pp.321-333, 2008 (Refereed Journals of Other Institutions)
18. **Symbolic Analysis of Analog Integrated Circuits in MATLAB**
Akçam A., AKSOY M.
Fen ve Mühendislik Bilimleri Dergisi, vol.16, no.4, pp.82-87, 2007 (National Non-Refereed Journal)
19. **COMPUTER CONTROLLED SALT PREPARING FOR DYEING PROCESS IN TEXTILE SECTOR**
ÖZLÜOYMAK Ö. B. , AKSOY M.
FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.15, no.2, pp.61-73, 2006 (National Non-Refereed Journal)
20. **Mikrobilgisayar kontrollü ışıklı iletişim sistemi tasarımı ve yapımı**
SARITAŞ M., AKSOY M.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.6, pp.77-88, 1991 (Other Refereed National Journals)

Books & Book Chapters

1. **Laboratory Manual for Electronic Circuits**
AKSOY M., Büyükgüzel B., KESİLMİŞ Z., Deniz Y.
Akademisyen Yayınevi, 2013
2. **Soliton transmission through a single-mode fiber**
Kılıçkaya M. S. , AKSOY M.
in: SOLITON DRIVEN PHOTONICS, Boardman, A.D., Sukhorukov, A.P. (Eds.), Editor, Springer, London/Berlin ,

Refereed Congress / Symposium Publications in Proceedings

1. **Metamaterial inspired sensor for detection of engine lubricant oil condition**
Altıntaş O., AKSOY M., ÜNAL E., Karaaslan M.
Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178
2. **Double split ring resonator based microfluidic sensor for wastewater treatment applications**
Altıntaş O., AKSOY M., Ünal E., Karaaslan M.
Turkish Physical Society 35th International Physics Congress, TPS 2019, Konacik-Bodrum, Turkey, 4 - 08 September 2019, vol.2178
3. **Investigation of MPPT Algorithms under Partial Shading and Changing Atmospheric Conditions in PSIM Environment MGNI Algoritmalarının, PSIM Ortamında, Kısmi Gölgeleme ve Degisen Atmosferik Kosullar Altında İncelenmesi**
Kesilmiş Z., Karabacak M. A. , AKSOY M.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
4. **Misalignment Fault Examination by Vibration Frequency Spectrum Analysis in Asynchronous Motors**
Yılmaz Ö., AKSOY M., KESİLMİŞ Z.
International Advanced Researches Engineering Congress-2017, 16 - 18 November 2017, pp.1095-1101
5. **Asenkron motorlarda yükün fiziksel hatalar üzerindeki etkisininincelenmesi**
Yılmaz Ö., AKSOY M., KESİLMİŞ Z.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1827-1840
6. **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
7. **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
8. **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
9. **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
10. **A Metasurface Polarization Converter Designed by Two Metallic Patches Placed in the Cross Corner of a Rectangular Loop**
ALTINTAŞ O., AKSOY M., AKGÖL O., ÜNAL E., KARAASLAN M.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017
11. **Microfluidic Chemical Sensor Applications by Using a Metamaterial Based Sensor**
ALTINTAŞ O., AKSOY M., AKGÖL O., ÜNAL E., KARAASLAN M.
International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017
12. **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

13. **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
14. **HYBRID TYPE OF PHOTONIC ANALOG TODIGITAL CONVERTERS**
NACAR ÇIKAN N., AKSOY M.
ICAT, Roma, Italy, 23 - 26 November 2016
15. **HYBRID TYPE OF PHOTONIC ANALOG TO DIGITAL CONVERTERS**
NACAR ÇIKAN N., AKSOY M.
International Conference on Advanced Technology Sciences (ICAT' Rome), 23 - 25 November 2016
16. **A 10 GS s 3 bit Flash ADC in 180 nm CMOS**
NACAR ÇIKAN N., AKSOY M.
International Engineering, Science and Education Conference, 1 December - 03 November 2016
17. **ANALOG DİJİTAL ÇEVİRİCİLERİN PERFORMANS BELİRLEYİCİPARAMETRELERİ**
NACAR ÇIKAN N., AKSOY M.
International Engineering, Science and Education Conference, 1 - 03 December 2016
18. **A 10 GS s 3 bit Flash ADC in 180 nm CMOS**
NACAR ÇIKAN N., AKSOY M.
INESEG, Turkey, 1 - 03 December 2016
19. **ANALOG DİJİTAL ÇEVİRİCİLERİN PERFORMANS BELİRLEYİCİPARAMETRELERİ**
NACAR ÇIKAN N., AKSOY M.
INESEG, Turkey, 1 - 03 December 2016
20. **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
21. **Lazer Tarayıcı Kullanarak Meyve Ağaçlarına Değişken Oranlarda İlaç Uygulama Olanakları: I. Bölüm. Ağaç Taç Hacmi ve Bazı Yaprak Parametrelerinin Hesaplanması**
BAYAT A., Bolat A., Aksoy F., AKSOY M.
28. Ulusal Tarımsal Mekanizasyon Kongresi, Turkey, 4 - 06 September 2013
22. **Yapay Sinir Ağı ile Kapasitif MEMS İvme Ölçerin Rezonans Frekansının Kestirimi**
KESİLMİŞ Z., AVCI M., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2008, Turkey, 26 - 29 November 2008, pp.87-90
23. **Kazancı Sayısal Olarak Ayarlanabilir Akım Kuvvetlendiricisi Tasarımı ve Bandgeçiren Süzgeç Uygulaması**
YAMAÇLI S., AVCI M., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2008, Turkey, 26 - 29 November 2008, pp.38-42
24. **Sayısal İşaret İşleme Mikrodenetleyicisi Tabanlı Ethernet Üzerinden Veri Aktarım İstasyonu Uygulaması**
YAMAÇLI S., AVCI M., AKSOY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.Yıl Sempozyumu, Turkey, 16 - 18 October 2008, pp.254-258
25. **Sayısal Olarak Kazancı Ayarlanabilen Bir Akım Kuvvetlendiricisi Tasarımı**
YAMAÇLI S., AVCI M., AKSOY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi 30.Yıl Sempozyumu, Turkey, 16 - 18 October 2008, pp.264-268
26. **Ethernet üzerinden vari aktaran sıcaklık/nem ölçüm istasyonu tasarımı ve uygulaması**
YAMAÇLI S., AKSOY M., AVCI M.
UZAL-CBS, Turkey, 13 - 15 October 2008

27. **An Operational Transconductance Amplifier with 45nm FINFET Technology**
Kesilmiş Z., Avcı M., Aksoy M.
International Symposium on Electrical and Electronics Engineering ELECO 2007, Bursa, Turkey, 5 - 09 December 2007
28. **Yüzen Geçit MOS Transistorlarda Parametrik Saçılma Analizi**
KESİLMİŞ Z., AVCI M., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2006, Turkey, 6 - 09 December 2006, pp.55-59
29. **Tek Modlu Optik Fiberde Soliton Darbe Yayılması**
AKSOY M., ÖZYAZICI M. S.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2004, Turkey, 8 - 12 December 2004, pp.110-112
30. **Kompozit Taşıyıcı Kullanarak İkinci Dereceden Yüksek Performanslı Akım Modlu Aktif Süzgeç Gerçeklenmesi**
ÇİÇEKLİ H., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2004, Turkey, 8 - 12 December 2004, pp.78-81
31. **Mikrodenetleyici Tabanlı Ev Otomasyonu**
Karataş P., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2004, Turkey, 8 - 12 December 2004, pp.291-295
32. **Akım Geri beslemeli OTA Kullanarak İkinci Dereceden Yüksek Geçiren Aktif Süzgeç Gerçeklenmesi**
ÇİÇEKLİ H., AKSOY M.
Elektrik-Elektronik-Bilgisayar Müh. 10. Ulusal Kongresi Bildiri Kitabı, Turkey, 18 - 21 September 2003, pp.303-306
33. **Developing a Virtual Classroom Software**
Akkurt H., AKSOY M.
International Twelfth Turkish Symposium on Artificial Intelligence and Neural Networks, TAINN 2003, 2 - 04 July 2003
34. **Yeni OTRA Tabanlı Osilatör Topolojileri**
ÇAM U., AKSOY M., ÇİÇEKOĞLU M. O. , KUNTMAN H. H.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2002, Turkey, 18 - 22 December 2002, pp.6-10
35. **Geliştirilmiş Üçüncü Kuşak Akım Taşıyıcılar ile Üniversal Aktif Süzgeç Tasarımı**
Ünal Ö., AKSOY M.
Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2002, Turkey, 18 - 22 December 2002, pp.104-107
36. **Görsel Bir Programlama Dili Kullanarak Paralel Port Üzerinden Seri olarak AT82S8252 Programlama**
KESİLMİŞ Z., AKSOY M.
Elektrik-Elektronik Mühendisliği Sempozyumu Bildiri Kitabı, Turkey, 27 - 29 November 2002, pp.33-36
37. **İkinci Kuşak Akım Taşıyıcı İle Haberleşme Süzgeçlerinin Tasarımında Yeni Olanaklar**
AKSOY M., KUNTMAN H. H. , ÖZCAN S., ÇİÇEKOĞLU M. O.
URSI-TÜRKİYE'2002BİLİMSEL KONGRESİ, URSİ 2002, Turkey, 18 - 20 September 2002
38. **Akım Geri Beslemeli Geçiş Direnci Kuvvetlendirici Tipinde Çok Özellikli Süzgeç**
AKSOY M., KUNTMAN H. H. , ÖZCAN S., ÇİÇEKOĞLU M. O.
10. Sinyal İşleme ve İletişim Uygulamaları, SIU2002, Turkey, 12 - 14 June 2002, pp.923-928
39. **Transresistance Mode Single Input Multi Output Filter by Using CFOA**
AKSOY M., ÖZCAN S., KUNTMAN H. H. , ÇİÇEKOĞLU M. O.
Proceedings of the 8th International Conference on Optimization of Electrical and Electronic Equipments, OPTIM 2002, 16 - 18 May 2002, pp.653-656
40. **Transresistance Multifunction Filter Using Current Feedback Amplifier**
AKSOY M., ÖZCAN S., KUNTMAN H. H. , ÇİÇEKOĞLU M. O.
Proceedings of the International Conference on Electrical and Electronics Engineering, ELECO'xx2001, 7 - 11 November 2001, pp.36-39
41. **Yüksek Çıkış Empedanslı Akım Modlu Üçüncü Dereceden Süzgeç Tasarımı**
ÖZBİLEN M. M. , AKSOY M.
Elektrik-Elektronik-Bilgisayar Müh. 9. Ulusal Kongresi, Turkey, 19 - 23 September 2001, pp.372-375
42. **High Output Impedance Current Mode Third Order Equal Passive Component Butterworth Filter**

AKSOY M., ÇİÇEKOĞLU M. O. , KUNTMAN H. H.

Proceedings of the International Symposium on Signals, Circuits Systems, SCS 'xx2001, 10 - 11 July 2001, pp.413-416

43. **Üçüncü Kuşak Akim Taşıyıcı İle Haberleşme Süzgeçlerinin Tasarımında Yeni Olanaklar**

AKSOY M., KUNTMAN H. H.

9. IEEE Sinyal İşleme ve Uygulamaları Kurultayı SIU2001, Turkey, 25 - 27 April 2001

44. **Soliton transmission through a single-mode fiber**

Aksoy M., KILICKAYA M.

Conference of the NATO Advanced-Study-Institute on Soliton-driven Photonics, SWINOUJSCIE, Poland, 24 September - 04 October 2000, vol.31, pp.87-90

45. **Geliştirilmiş Üçüncü Kuşak Akim Taşıyıcı ile Aktif Süzgeç Tasarımı**

Aksoy M., Kuntman H. H.

Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2000, Bursa, Turkey, 8 - 12 November 2000, pp.38-42

46. **Mikrodenetleyici Tabanlı Başarısız Yaklaşım Metodlu Sekiz Kanal Analogtan Sayısala Dönüştürücü Tasarımı ve Gerçekleştirilmesi**

AKSOY M., AVCI M.

Elektrik-Elektronik Bilgisayar Mühendisliği Sempozyumu ELECO'2000, Turkey, 8 - 12 November 2000, pp.379-383

Academic and Administrative Experience

2018 - Continues	Deputy Head of Department	Cukurova University
2001 - Continues	Head of Department	Cukurova University, Elektrik-Elektronik Müh. Böl.
2016 - 2017	Director of The Institution	Adana Science And Technology University
2016 - 2017	Rector's Advisor	Adana Science And Technology University
2014 - 2016	Assistant Director of Vocational School	Cukurova University, Ceyhan Myo
2014 - 2016	Head of Department	Cukurova University, Tufanbeyli Myo

Courses

Digital Eelctronic, Under Graduate, 2020 - 2021

Analog to Digital Conversion, Post Graduate, 2020 - 2021

Electronic Circuits, Under Graduate, 2020 - 2021

Project Work I, Post Graduate, 2019 - 2020

Linear Integrated Circuits, Under Graduate, 2019 - 2020

CAD and Analysis of Electronic Circuits , Under Graduate, 2019 - 2020

Advanced Electronic Circuit Design, Post Graduate, 2019 - 2020

Advising Theses

AKSOY M., Hybrid Global Maximum Power Point Tracking System for Solar Panels., Doctorate, B.Büyüküznel(Student),

Continues

Aksoy M., A Comparative Study of Dynamic Wireless Electric Vehicle Charging Systems Designs in Matlab/Simulink, Post Graduate, Ş.Yorulmaz(Student), Continues

Aksoy M., Adaptive Neuro-Fuzzy Inference Systems Based Estimation Of Photovoltaic Cell Parameters Using Data Set Obtained Outdoor Measurements Of Photovoltaic Module, Post Graduate, B.PADAK(Student), 2021

Aksoy M., MODELLING AND ANALYSIS OF COLORLESS SOURCES BASED ON WAVELENGTH DIVISION MULTIPLEXED PASSIVE OPTICAL NETWORKS, Doctorate, N.NACAR(Student), 2020

Aksoy M., INDUSTRIAL APPLICATIONS OF METAMATERIAL BASED SENSORS, Doctorate, O.ALTINTAŞ(Student), 2020

Aksoy M., A comparative study of MPPT methods for PV array under partial shading condition in MATLAB /Simulink, Post Graduate, A.ALI(Student), 2020

Aksoy M., A new approach for N-stage RC ladder networks based on Elmore delay model, Post Graduate, E.ERDEMLİ(Student), 2018

Aksoy M., Design and implementation of a CAN communication line diagnosis systematic for road vehicles, Post Graduate, M.YAKUP(Student), 2014

Aksoy M., Design and implementation of an automotive remote diagnostic electronic unit for road vehicles, Post Graduate, E.YİRİK(Student), 2013

AKSOY M., Microcontroller Based Maximum Power Point Tracker for Solar Panels, Post Graduate, B.Büyükgüzel(Student), 2011

Aksoy M., An artificial neural network controlled microelectromechanical accelerometer, Doctorate, Z.KESİLMİŞ(Student), 2011

Aksoy M., Computer simulation for series hybrid electrical vehicle, Post Graduate, S.AĞYEL(Student), 2011

AKSOY M., Symbolic Analysis Methods for Switched Capacitor Networks, Post Graduate, A.İşler(Student), 2010

AKSOY M., Neural Network-Based Ultrasonic Level Measurement For Fluids, Post Graduate, B.Dündar(Student), 2010

AKSOY M., SIP Phone Application on Single Board Computer with ARM Microprocessor, Post Graduate, T.Altun(Student), 2010

AKSOY M., Design and Construction of a Data Acquisition System For Sensors Used In Automotive Industries over GPRS, Post Graduate, E.Pesen(Student), 2010

Aksoy M., Neural network-based ultrasonic level measurement of fluids, Post Graduate, B.DÜNDAR(Student), 2010

AKSOY M., Developing a software to determine the microcontroller Specifications for Fuzzy Logic Control Applications, Post Graduate, A.Padak(Student), 2006

AKSOY M., Computer Controlled Salt Preparing For Dyeing Process in Textile Sector, Post Graduate, Ö.Barış(Student), 2006

AKSOY M., Symbolic analysis of Analog Integrated Circuits in Matlab, Post Graduate, A.Akçam(Student), 2006

Aksoy M., Utilization of ultrasonic energy in textile wet processing, Post Graduate, Z.KESİLMİŞ(Student), 2004

Activities in Scientific Journals

Gazi Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, Committee Member, 2016 - Continues

Memberships / Tasks in Scientific Organizations

TEYDEB-ELOTEG, Member of Advisory Board, 2014 - 2018, Turkey

Adana ÜSAM, Consultant, 2001 - 2008, Turkey

Scientific Refereeing

ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal, May 2020

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Journal Indexed in SCI-E, October 2019

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Journal Indexed in SCI-E, September 2019

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Journal Indexed in SCI-E, May 2019

ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, National Scientific Refreed Journal,
November 2018

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Journal Indexed in SCI-E, September 2018

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, Journal Indexed in SCI-E, January 2014

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Optics and Photonics