

Assoc. Prof. SİBEL ÇİMEN

Personal Information

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Education Information

Doctorate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2005 - 2009

Post Graduate, Kocaeli University, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 2002 - 2005

Under Graduate, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, Turkey 1998 - 2002

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Elektromanyetik filtre ve dalgakılavuzu uygulamaları için metamateryal katmanların benzetimi ve tasarımı, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2009

Post Graduate, Geniş bantlı mikroserit filtre tasarımı, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2005

Research Areas

Electromagnetic

Academic Titles / Tasks

Associate Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2015 - Continues

Assistant Professor, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2010 - 2015

Research Assistant, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2004 - 2010

Courses

ELEKTROMANYETİK DALGA TEORİSİ, Under Graduate, 2019 - 2020

ELEKTROMANYETİK ALAN TEORİSİ, Under Graduate, 2018 - 2019

ELEKTROMANYETİK ALAN TEORİSİ, Under Graduate, 2018 - 2019

Advising Theses

- Çimen S., Hibrit yöntemler kullanılarak ultra geniş bant anten kazanç artırımı, Post Graduate, K.EREN(Student), 2019
Çimen S., Teşneli N. B. , FARKLI BANT GENİŞLİĞİNDEKİ ANTENLERDE ÖZGÜN BİRİM HÜCRELİ PERİYODİK YAPILAR İLE RADAR KESİT ALANI AZALTIMI, Doctorate, S.ÜNALDI(Student), 2019
Çimen S., Dizi antenlerde yan kulakçık seviyesinin azaltılması, Post Graduate, İ.AY(Student), 2019
Çimen S., Mikroşerit yansıtıcı dizi anten tasarımı ve uygulamaları, Post Graduate, H.BODUR(Student), 2017

Jury Memberships

- Post Graduate, Post Graduate, Kocaeli Üniversitesi, February, 2020
Doctoral Examination, Doctoral Examination, Kocaeli Üniversitesi, September, 2019
Post Graduate, Post Graduate, Kocaeli Üniversitesi, July, 2019
Doctorate, Doctorate, Sakarya Uygulamalı Bilimler Üniversitesi, January, 2019
Doctorate, Doctorate, Kocaeli Üniversitesi, June, 2018

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

- I. **Gain enhancement of co-planar waveguide fed ultra-wide bandwidth monopole antenna with enlarged ground plane and metal reflectors**
Turkmen-Kucuksari Ö., Kocakaya A., Çakır G., Çimen S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.126, 2020 (Journal Indexed in SCI)
- II. **Reflectarray antenna design with double cutted ring element for X-band applications**
BODUR H., ÇİMEN S.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.62, no.10, pp.3248-3254, 2020 (Journal Indexed in SCI)
- III. **RCS reduction of reflectarray using new variable size FSS method**
Unaldi S., Bodur H., Çimen S., Çakır G.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.117, 2020 (Journal Indexed in SCI)
- IV. **Polarization and angle independent ultra wideband frequency selective surface design**
KOCAKAYA A., ÇAKIR G., ÇİMEN S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.1, pp.287-295, 2020 (Journal Indexed in SCI)
- V. **High constant gain modified antipodal Vivaldi antenna incorporated with a phase compensation lens and a frequency selective surface**
Turkmen-Kucuksari Ö., Kocakaya A., Çimen S., Çakır G.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.113, 2020 (Journal Indexed in SCI)
- VI. **Novel Angular and Polarization Independent Band-Stop Frequency Selective Surface for Ultra-Wide Band Applications**
KOCAKAYA A., ÇİMEN S., ÇAKIR G.
RADIOENGINEERING, vol.28, no.1, pp.147-153, 2019 (Journal Indexed in SCI)
- VII. **Single layer reflectarray antenna design with variable size patches for X-band applications**
BODUR H., ÇİMEN S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.4, pp.1861-1869, 2019 (Journal Indexed in SCI)
- VIII. **A Novel Miniaturized Polarization Independent Frequency Selective Surface with UWB Response**
Unaldi S., Tesneli N. B. , ÇİMEN S.
RADIOENGINEERING, vol.27, no.4, pp.1012-1017, 2018 (Journal Indexed in SCI)
- IX. **Broadband single-layer reflectarray antenna for X-band applications**
BODUR H., Unaldi S., ÇİMEN S., ÇAKIR G.

- IET MICROWAVES ANTENNAS & PROPAGATION, vol.12, no.10, pp.1609-1612, 2018 (Journal Indexed in SCI)
- X. **Constant gain modified antipodal vivaldi antenna with rake-like wires operating over 3.1-10.6 GHz**
KÜÇÜKSARI Ö., ÇİMEN S., ÇAKIR G.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.60, no.5, pp.1205-1211, 2018 (Journal Indexed in SCI)
- XI. **A Novel Dual-Band Ultrathin FSS With Closely Settled Frequency Response**
Unaldi S., ÇİMEN S., ÇAKIR G., AYTEN U. E.
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, vol.16, pp.1381-1384, 2017 (Journal Indexed in SCI)
- XII. **Design of double-sided axe-shaped ultra-wideband antenna with reduced radar cross-section**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.8, no.8, pp.571-579, 2014 (Journal Indexed in SCI)
- XIII. **Planar Octagonal-Shaped UWB Antenna With Reduced Radar Cross Section**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.62, no.6, pp.2946-2953, 2014 (Journal Indexed in SCI)
- XIV. **Novel closely spaced planar dual-band frequency-selective surface**
Cimen S.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.7, pp.894-899, 2013 (Journal Indexed in SCI)
- XV. **A novel ultrawideband antenna with switchable notch band**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.55, no.7, pp.1461-1466, 2013 (Journal Indexed in SCI)
- XVI. **FILTER DESIGN AND MODE SUPPRESSION INSIDE METAMATERIAL-FILLED RECTANGULAR WAVEGUIDES**
ÇİMEN S., ÇAKIR G., Sevgi L.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.52, no.7, pp.1659-1663, 2010 (Journal Indexed in SCI)
- XVII. **METAMATERIAL SLABS AND REALIZATION OF ALL-TYPE FILTER CHARACTERISTICS: NUMERICAL AND ANALYTICAL INVESTIGATIONS**
ÇİMEN S., ÇAKIR G., Sevgi L.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.51, no.4, pp.894-899, 2009 (Journal Indexed in SCI)
- XVIII. **Generic microstrip structure for the realization of all-type broadband filters**
Gunduz S., Cakir G., Sevgi L.
Microwave and Optical Technology Letters, vol.48, no.12, pp.2390-2393, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Novel Reflectarray Antenna with Reduced RCS**
Bodur H., Ünalı S., Çimen S., Çakır G.
<https://dergipark.org.tr/tr/pub/kojose>, vol.1, no.1, pp.11-14, 2018 (International Refereed University Journal)
- II. **Improving an UWB Antenna Gain by Using Metallic Plates**
EREN K., ÇİMEN S., KÜÇÜKSARI Ö., ÇAKIR G.
Journal of Current Researches on Engineering, Science and Technology, vol.3, no.2, 2017 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Frekans Seçici Yüzey İle Dizi Antende Yan Lob Seviyesi Azaltma**
Ay İ., ÇİMEN S.
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2019 SPRING, 26 - 28 April 2019
- II. **X-Bant Uygulamalar İçin Tek Katmanlı Geniş Bant Yansıtıcı Dizi Anten Tasarımı**
Bodur H., Ünalı S., Çimen S., Çakır G.

- IMCOFE 2018 V. International multidisciplinary conference of eurasia , Barcelona, Spain, 23 July 2018, pp.101
- III. **X-Bant Uygulamalar İçin Tek Katmanlı Geniş Bant Yansıtıcı Dizi Anten Tasarımı**
Bodur H., Ünalı S., Çimen S., Çakır G.
IMCOFE 2018 V. International multidisciplinary conference of eurasia , Barcelona, Spain, 23 July 2018, pp.101
- IV. **Double Layer FSS Design for UWB Application**
Bodur H., Çimen S.
Imcofe V. International multidisciplinary conference of eurasia (imcofe) , Barcelona, Spain, 23 July 2018, pp.189-196
- V. **Double Layer FSS Design for UWB Application**
Bodur H., Çimen S.
Imcofe V. International multidisciplinary conference of eurasia (imcofe) , Barcelona, Spain, 23 July 2018, pp.189-196
- VI. **Effect of the Different End Shapes on the Gain Flatness of the Antipodal Vivaldi Antenna**
KÜÇÜKSARI Ö., ÇİMEN S., ÇAKIR G.
ELECO 2017 10th International Conference on Electrical and Electronics Engineering November 30-December 2, 2017, Bursa, Turkey, 30 November - 02 December 2017
- VII. **A Closely Located Dual-Band FSS Design for XBand Applications**
ÜNALDI S., BODUR H., ÇİMEN S., ÇAKIR G.
AIS 2017 • 12th International Symposium on Applied Informatics and Related Areas • November 9, 2017, 09 November 2017, pp.75-78
- VIII. **A NEW BROADBAND REFLECTARRAY ANTENNA WITH MODIFIED CIRCULAR PATCH**
BODUR H., ÜNALDI S., ÇİMEN S., ÇAKIR G.
5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017, pp.517-519
- IX. **Partial Gain Increase at Desired Frequency Range for UWB Microstrip Antennas Using Band-Stop FSS**
Komron H., DİKMEN C. M. , ÇAKIR G., KOCAKAYA A., ÇİMEN S.
5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017
- X. **Design of X Band Single-Layer Reflectarray with Novel Element**
ÜNALDI S., BODUR H., ÇİMEN S., ÇAKIR G.
5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017, pp.588-590
- XI. **A Novel Reflectarray Antenna Combined with Double Layer FSS for RCS Reduction**
BODUR H., Unaldi S., ÇİMEN S., ÇAKIR G.
25th Telecommunication Forum (TELFOR), Belgrade, Serbia And Montenegro, 21 - 22 November 2017, pp.456-458
- XII. **Effect of the Different End Shapes on the Gain Flatness of the Antipodal Vivaldi Antenna**
Turkmen-Kucuksari O., ÇİMEN S., ÇAKIR G.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1027-1029
- XIII. **A Novel Reflecarray Antenna Backed With Double Layer FSS for RCS Reduction**
BODUR H., ÇİMEN S., ÇAKIR G., Unaldi S.
International Applied-Computational-Electromagnetics-Society Symposium - Italy (ACES), Firenze, Italy, 26 - 30 March 2017
- XIV. **Ultra Wide Band Crescent Antenna with Enhanced Maximum Gain**
DİKMEN C. M. , ÇAKIR G., ÇİMEN S.
20th International Symposium on Wireless Personal Multimedia Communications (WPMC), Yocyakarta, Indonesia, 17 - 20 December 2017, pp.276-279
- XV. **Ultra Wide Band Butterfly Antenna With Enhanced Gain**
DİKMEN C. M. , ÇAKIR G., ÇİMEN S.
Int. Conf. On Electrical Engineering and Computer Sciences (EECS 2016), Hong Kong, 14 - 16 December 2016
- XVI. **X Bant Uygulamalar için Tek Katmanlı Geniş Bant Yansıtıcı Dizi Anten Tasarımı**

- BODUR H., ÜNALDI S., ÇİMEN S., ÇAKIR G.
URSI- Türkiye'2016 VIII. Bilimsel Kongresi, Ankara, Turkey, 1 - 03 September 2016
- XVII. **X-BANT UYGULAMALAR İÇİN TEK KATMANLI GENİŞ BANT YANSITICI DİZİ ANTEN TASARIMI**
BODUR H., ÜNALDI S., ÇİMEN S., ÇAKIR G.
URSI-TÜRKİYE'2016 VIII. Bilimsel Kongresi, Turkey, 1 - 03 September 2016
- XVIII. **A Novel Broadband Single Layer Reflectarray Antenna Design For X Band Applications**
BODUR H., ÜNALDI S., ÇİMEN S., ÇAKIR G.
ICENS 2016, 2nd International Conference on Engineering and Natural Sciences, Bosnahersek, 24 - 28 May 2016
- XIX. **A reduced RCS ultra wide band antenna with eye geometry**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
2013 18th International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory, DIPED 2013, Lviv, Ukraine, 23 - 26 September 2013, pp.104-110
- XX. **An octagonal shaped ultra wide band antenna with reduced RCS**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
2013 2nd International Japan-Egypt Conference on Electronics, Communications and Computers, JEC-ECC 2013, Cairo, Egypt, 17 - 19 December 2013, pp.121-124
- XXI. **An Arrow Shaped Ultra Wide Band Antenna With Reduced RCS**
DİKMEN C. M. , ÇİMEN S., ÇAKIR G.
IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT), Amman, Jordan, 3 - 05 December 2013
- XXII. **Analytical & numerical calculations of S-parameters in multilayer DPS-DNG junctions**
ÇİMEN S., ÇAKIR G., Sevgi L.
20th International Zurich Symposium on Electromagnetic Compatibility, EMC Zurich 2009, Zürich, Switzerland, 12 - 16 January 2009, pp.113-116
- XXIII. **Metamaterials and FDTD based Numerical Modeling Studies**
ÇİMEN S., ÇAKIR M., ÇAKIR G., SEVGİ L.
ELECO 2007, Bursa, Turkey, 5 - 09 December 2007
- XXIV. **based filter design tool using the analogy between wave and circuit theories**
ÇAKIR G., ÇİMEN S., SEVGİ L.
International Symposium on Complex Computing-Networks Location: Dogus Univ Istanbul, Istanbul, TURKEY Date: JUN 13-14, 2005, 13 - 14 June 2005

Supported Projects

- ÇAKIR G., ÇİMEN S., BODUR H., Project Supported by Higher Education Institutions, Mikrodalga ve Anten Laboratuvarı, 2019 - 2020
- Çakır G., Çimen S., Küçüksarı Ö., TUBITAK Project, Ultra Geniş Bantlı Radar Sistemleri İçin Hibrit Yöntemler Kullanarak Yüksek Kazançlı Anten Tasarımı, 2016 - 2019
- ÇİMEN S., ÇAKIR G., TUBITAK Project, Frekans Seçici Yüzey Fsy Arka Yüzlü Düşük Radar Kesit Alanlı Geniş Bant Mikroşerit Yansıtıcı Dizi Anten Yda Tasarımı, 2015 - 2017
- Çimen S., Çakır M., Çakır G., TUBITAK Project, Ultra Geniş Bantlı UGB Radar Kesit Alanı Azaltılmış Mikroşerit Anten Tasarımı, 2011 - 2014
- ÇİMEN S., Project Supported by Higher Education Institutions, Çok katmanlı kompozit radar yutucu tabaka (RYT) tasarımı ve gerçekleştirilmesi, 2010 - 2013

Citations

Total Citations (WOS):147

h-index (WOS):6