

Prof. SİBEL ÇİMEN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-6332-2018

ScopusID: 58540988300

Yoksis Researcher ID: 152322

Education Information

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

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

Undergraduate, Kocaeli University, 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

Postgraduate, Geniş bantlı mikroşerit filtre tasarımı, Kocaeli Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Bölümü, 2005

Research Areas

Electromagnetic

Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2024 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2015 - 2024

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2010 - 2015

Research Assistant, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2004 - 2010

Courses

MICROWAVE CIRCUIT DESIGN , Undergraduate, 2023 - 2024
ANALYSIS OF MICROWAVE CIRCUITS, Postgraduate, 2023 - 2024
ELEKTROMANYETİK DALGA TEORİSİ, Undergraduate, 2019 - 2020
ELEKTROMANYETİK ALAN TEORİSİ, Undergraduate, 2018 - 2019
ELEKTROMANYETİK ALAN TEORİSİ, Undergraduate, 2018 - 2019

Advising Theses

Çimen S., Hibrit yöntemler kullanılarak ultra geniş bant anten kazanç artırımı, Postgraduate, 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, Postgraduate, İ.AY(Student), 2019
Çimen S., Mikroşerit yansıtıcı dizi anten tasarımı ve uygulamaları, Postgraduate, 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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Scattering suppression with dual-band single-layer mantle cloak for cylindrical metasurface**
BODUR H., ÇİMEN S.
AEU - International Journal of Electronics and Communications, vol.168, 2023 (SCI-Expanded)
- II. **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 (SCI-Expanded)
- III. **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 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- 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 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **Novel closely spaced planar dual-band frequency-selective surface**
Cimen S.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.7, no.11, pp.894-899, 2013 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)
- XVII. **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 (SCI-Expanded)
- XVIII. **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 (SCI-Expanded)
- XIX. **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 (SCI-Expanded)

Articles Published in Other Journals

- I. **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 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **LOW PROFILE MM-WAVE TRANSMITARRAY DESIGN FOR 5G APPLICATIONS**
Malkoç M., Ünalı S., Çimen S.
5th. International Congress on Contemporary Scientific Research, Kayseri, Türkiye, 21 - 22 Nisan 2024, Kayseri, Turkey, 21 - 22 April 2024, pp.846-856
- II. **Microstrip Patch Filtering Antenna**
Yeşilırmak B., Çimen S.
INTERNATIONAL MARMARA SCIENCES CONGRESS IMASCON 2023 AUTUMN 15-16 DECEMBER , Kocaeli, Turkey, 15 - 16 December 2023, pp.1-7
- III. **5G MIMO (MULTIPLE-INPUT-MULTIPLE-OUTPUT) ANTENNA DESIGN WITH REDUCED MUTUAL COUPLING**
Aydın E., Çimen S., Çakır G.
11. ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ , Kocaeli, Turkey, 15 - 16 December 2023, pp.1-7
- IV. **Silindirik Nesnelere Elektromanyetik Saçılmanın Azaltılması için Tek Katmanlı Yüzey Tasarımı**
Bodur H., Çimen S.
XI. URSI-TR 2023 BİLİMSEL KONGRESİ ULUSAL GENEL KURUL TOPLANTISI, İstanbul, Turkey, 31 August - 02 September 2023, pp.1-3
- V. **Üç Bant Çentikli Yüksek İzolasyonlu UGB-MIMO Anten**
Öztürk C., Çimen S.
URSI Türkiye 2023, XI. Bilimsel Kongresi, İstanbul, Turkey, 31 August - 02 September 2023, pp.1-7
- VI. **Mantle Cloak Desing of a Dielectric Cylinder for Scattering Cancellation**
BODUR H., ÇİMEN S.
30th Telecommunications forum TELFOR 2022, Belgrade, Serbia, 15 November 2022, pp.1-3
- VII. **UYUMLU MESH-GRİD ŞEKİLLİ FREKANS SEÇİCİ YÜZEY (FSY) KULLANILARAK SİLİNDİRİK NESNELER İÇİN MANTO PELERİNİNİN ANALİZİ VE GERÇEKLEŞTİRİLMESİ**
Al Hasan A., BODUR H., ÇİMEN S.
International Marmara Sciences Congress (Imascon 2022 Spring), Turkey, 13 May 2022
- VIII. **Broadband Calculable Dipole Antennas for SIL Measurements of CALTS**
ŞEN O., ÇİMEN S.
2021 IEEE Indian Conference on Antennas and Propagation (InCAP), India, 13 December 2021
- IX. **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
- X. **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
- XI. **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
- XII. **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
- XIII. **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
- XIV. **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
- XV. **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

- XVI. **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
- XVII. **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
- XVIII. **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
- XIX. **Effect of the Different End Shapes on the Gain Flatness of the Antipodal Vivaldi Antenna**
Turkmen-Kucuksari Ö., ÇİMEN S., ÇAKIR G.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1027-1029
- XX. **A Novel Reflectarray Antenna Backed With Double Layer FSS for RCS Reduction**
BODUR H., ÇİMEN S., ÇAKIR G., ÜNALDI S.
International Applied-Computational-Electromagnetics-Society Symposium - Italy (ACES), Firenze, Italy, 26 - 30 March 2017
- XXI. **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), Yogyakarta, Indonesia, 17 - 20 December 2017, pp.276-279
- XXII. **A Novel Reflectarray Antenna Combined with Double Layer FSS for RCS Reduction**
BODUR H., ÜNALDI S., ÇİMEN S., ÇAKIR G.
25th Telecommunication Forum (TELFOR), Belgrade, Serbia And Montenegro, 21 - 22 November 2017, pp.456-458
- XXIII. **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
- XXIV. **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
- XXV. **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, Bosnia Hersek, 24 - 28 May 2016
- XXVI. **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
- XXVII. **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
- XXVIII. **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

- XXIX. **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
- XXX. **Metamaterials and FDTD based Numerical Modeling Studies**
ÇİMEN S., ÇAKIR M., ÇAKIR G., SEVGİ L.
ELECO 2007, Bursa, Turkey, 5 - 09 December 2007
- XXXI. **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
- ÇAKIR G., ÇİMEN S., 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

Metrics

- Publication: 54
Citation (WoS): 278
Citation (Scopus): 380
H-Index (WoS): 9
H-Index (Scopus): 9

Non Academic Experience

- CEM-Bialetti Ticaret A.Ş.