

## Prof. GONCA ÇAKIR



### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 1999 - 2004

Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Turkey 1996 - 1999

Undergraduate, Yıldız Technical University, Faculty Of Electrical & Electronics, Electronics And Communication Engineering, Turkey 1992 - 1996

### Dissertations

Doctorate, Gezgün haberleşme sistemleri için hüzme yönlendirmeli mikroşerit dizi anten tasarımı: Analitik hesaplamalar, bilgisayar benzetimleri ve ölçmeler, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 2004

Postgraduate, Zaman düzleminde sonlu farklar metodu ile mikroşerit hat analizi, Kocaeli University, Fen Bilimleri Enstitüsü, Fen Bilimleri Enstitüsü, 1999

### Research Areas

Electromagnetic Band Spacing Structures, Electromagnetic Waves, Antennas and Propagation, Passive Microwave Circuits

### Academic Titles / Tasks

Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2018 - Continues

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2012 - 2018

### Academic and Administrative Experience

Head of Department, Kocaeli University, Mühendislik Fakültesi, Elektronik ve Haberleşme Mühendisliği, 2015 - 2017

## Courses

Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023  
Bitirme Çalışması, Undergraduate, 2022 - 2023  
Anten Temelleri, Undergraduate, 2023 - 2024  
Mühendislik Tasarım 1, Undergraduate, 2023 - 2024  
Mühendislik Tasarımı 3, Undergraduate, 2022 - 2023  
Bitirme Çalışması, Undergraduate, 2023 - 2024  
Mühendislik Tasarım 3, Undergraduate, 2023 - 2024  
Mühendislik Tasarımı 2, Undergraduate, 2022 - 2023

## Advising Theses

Çakır G., Pasif milimetre dalga görüntüleme sistemi için bütünleşik alıcı ve anten geliştirilmesi, Doctorate, M.TEKBAŞ(Student), 2023  
Çakır G., Elektromanyetik görünmezlik için pelerin tasarımı, Postgraduate, M.NOUR(Student), 2020  
Çakır G., Yarıkli toprak yapısı kullanılarak minyatürleştirilmiş 5G mobil anten tasarımı, Postgraduate, A.ASSOUMANA(Student), 2020  
Çakır G., Akım dağılımının değiştirilmesi ve dielektrik-iletken plakaların kullanımı ile çift bant mikroşerit antenlerde kazanç artırımı, Postgraduate, M.DEMİREL(Student), 2020  
Çakır G., Mikroşerit yama antenlerde ön arka lob oranının artırılması, Postgraduate, E.ÇETİNTÜRK(Student), 2020  
Çakır G., Dizi antenlerde yan kulakçık seviyelerinin azaltılması, Postgraduate, G.ŞENOL(Student), 2019  
Çakır G., X-bantta çalışan bantdurduran frekans seçici yüzey kullanarak ultra geniş bant mikroşerit antenlerde kısmi kazanç arttırımı, Postgraduate, K.HOTAMI(Student), 2018  
Çakır G., Ultra geniş bantlı radar sistemleri için hibrit yöntemler kullanarak yüksek kazançlı anten tasarımı, Doctorate, A.KOCAKAYA(Student), 2018  
Çakır G., Yağmurun Ku bant radar sinyallerine etkisi, Postgraduate, A.YAYLA(Student), 2016  
Çakır G., Radar kesit alanı azaltılmış ultra geniş bantlı mikroşerit anten tasarımı, Doctorate, C.MUSTAFA(Student), 2015  
Çakır G., Baskı devrelerde elektromanyetik ışıma azaltma teknikleri, Postgraduate, F.BULUT(Student), 2013  
Çakır G., Lazer-atom etkileşimi ile elektromanyetik dalga ölçümleri, Doctorate, S.ÇAKIR(Student), 2012  
Çakır G., Elektromanyetik filtre ve dalgakılavuzu uygulamaları için metamateryal katmanların benzetimi ve tasarımı, Doctorate, S.ÇİMEN(Student), 2009  
Çakır G., Anten desen ölçümü ve mutlak kazancın hesaplanması, Postgraduate, S.ÇAKIR(Student), 2008

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

- I. **A Compact W-Band Low-Noise Radiometry Sensor for a Single-Pixel Passive Millimeter-Wave Imager**  
Tekbas M., ÇAKIR G.  
ELECTRONICS, vol.12, no.10, 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. **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)
- IV. **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)

- V. **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)
- 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 (SCI-Expanded)
- VII. **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)
- VIII. **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)
- IX. **Novel angular-independent higher order band-stop frequency selective surface for X-band applications**  
KOCAKAYA A., ÇAKIR G.  
IET MICROWAVES ANTENNAS & PROPAGATION, vol.12, no.1, pp.15-22, 2018 (SCI-Expanded)
- X. **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)
- XI. **An FDTD-Based Parallel Virtual Tool for RCS Calculations of Complex Targets**  
ÇAKIR G., ÇAKIR M., Sevgi L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.56, no.5, pp.74-90, 2014 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XIV. **Miniature crescent shaped UWB antenna**  
DİKMEN C. M., ÇAKIR G.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.23, no.4, pp.494-498, 2013 (SCI-Expanded)
- 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 (SCI-Expanded)
- XVI. **FDTD Modeling of Electromagnetic Wave Scattering From a Wedge With Perfectly Reflecting Boundaries: Comparisons Against Analytical Models and Calibration**  
ÇAKIR G., Sevgi L., Ufimtsev P. Y.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.60, no.7, pp.3336-3342, 2012 (SCI-Expanded)
- XVII. **Sensing of RF Magnetic Fields Using Zeeman Splitting of Double Radiooptical Resonance and a New Approach to Helmholtz Coil Calibrations**  
Cakir S., Hamid R., Cetintas M., ÇAKIR G., Sen O.  
IEEE SENSORS JOURNAL, vol.12, no.7, pp.2465-2473, 2012 (SCI-Expanded)
- XVIII. **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)
- XIX. **Radar cross-section (RCS) analysis of high frequency surface wave radar targets**

- ÇAKIR G., Sevgi L.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.18, no.3, pp.457-467, 2010  
(SCI-Expanded)
- XX. **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)
- XXI. **Electromagnetic radiation from multilayer printed circuit boards: a 3D FDTD-based virtual emission predictor**  
ÇAKIR G., ÇAKIR M., Sevgi L.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.17, no.3, pp.315-325, 2009  
(SCI-Expanded)
- XXII. **Design of a compact and wideband microstrip bandstop filter**  
Cakir G.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.10, pp.2612-2614, 2008 (SCI-Expanded)
- XXIII. **Antenna calibration for EMC tests and measurements**  
Sevgi L., Cakir S., ÇAKIR G.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.50, no.3, pp.215-224, 2008 (SCI-Expanded)
- XXIV. **A two-dimensional FDTD-Based virtual visualization tool for metamaterial-wave interaction**  
ÇAKIR M., ÇAKIR G., Sevgi L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.50, no.3, pp.166-175, 2008 (SCI-Expanded)
- XXV. **Radar cross section (RCS) modeling and simulation, part 2: A novel FDTD-based RCS prediction virtual tool for the resonance regime**  
ÇAKIR G., ÇAKIR M., Sevgi L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.50, no.2, pp.81-94, 2008 (SCI-Expanded)
- XXVI. **Radar cross section (RCS) modeling and simulation, Part 1: A tutorial review of definitions, strategies, and canonical examples**  
Uluşık Ç., Çakır G., Çakır M., Sevgi L.  
Ieee Antennas And Propagation Magazine, vol.50, no.1, pp.115-126, 2008 (SCI-Expanded)
- XXVII. **Radar cross section (RCS) modeling and simulation, Part 1: A tutorial review of definitions, strategies, and canonical examples**  
Uluşık C., ÇAKIR G., ÇAKIR M., Sevgi L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.50, no.1, pp.115-126, 2008 (SCI-Expanded)
- XXVIII. **A novel virtual FDTD-based microstrip circuit design and analysis tool**  
Cakir G., Cakir M., SEVGI L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.48, no.6, pp.161-173, 2006 (SCI-Expanded)
- XXIX. **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)
- XXX. **A multipurpose FDTD-based two-dimensional electromagnetic virtual tool**  
Cakir G., Cakir M., SEVGI L.  
IEEE ANTENNAS AND PROPAGATION MAGAZINE, vol.48, no.4, pp.142-151, 2006 (SCI-Expanded)
- XXXI. **A design of a microstrip electromagnetic dual-band bandgap (DB-EBG) structure**  
ÇAKIR G., Sevgi L.  
Microwave and Optical Technology Letters, vol.48, no.7, pp.1405-1408, 2006 (SCI-Expanded)
- XXXII. **A broadband array of Archimedean spiral antennas for wireless applications**  
Sevgi L., Cakir G.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, no.1, pp.195-200, 2006 (SCI-Expanded)
- XXXIII. **Design of a novel microstrip electromagnetic bandgap (EBG) structure**  
ÇAKIR G., Sevgi L.  
Microwave and Optical Technology Letters, vol.46, no.4, pp.399-401, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Novel Reflectarray Antenna with Reduced RCS**  
Bodur H., Ünalı S., Çimen S., Çakır G.  
Kocaeli Journal of Science and Engineering, vol.1, no.1, pp.11-14, 2018 (Peer-Reviewed 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 (Peer-Reviewed Journal)
- III. **Design, simulation and tests of a low-cost microstrip patch antenna arrays for the wireless communication**  
ÇAKIR G., Sevgi L.  
Turkish Journal of Electrical Engineering and Computer Sciences, vol.13, no.1, pp.93-103, 2005 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **5G Mobil Haberleşme Uygulamaları için CSRR-DGS Tabanlı Minyatür Dairesel Yama Anten Tasarımı**  
Kazdağ A., UÇAR M. H. B., ÇAKIR G.  
URSI-TÜRKİYE 2021 X. Bilimsel Kongresi, Kocaeli/Gebze, Turkey, 07 September 2021, pp.1-3
- III. **CPW-Fed Microstrip Monopole Antenna Design with 5.5 GHz Notch-band Filtering Characteristic for Ultra-Wideband Communications**  
Küçükvural K., UÇAR M. H. B., ÇAKIR G.  
29th Signal Processing and Communications Applications Conference (SIU) 2021, Turkey, 09 June 2021
- IV. **Design of a Dual Polarized mmWave Horn Antenna Using Decoupled Microstrip Line Feeder**  
TEKBAŞ M., TOKTAŞ A., ÇAKIR G.  
2020 International Conference on Electrical Engineering (ICEE), Istanbul, Turkey, Turkey, 25 - 27 September 2020
- V. **Defected Ground Structure (DGS) based Miniaturization of a single Circular Patch Antenna for 5G Mobile Applications**  
Assoumana A., ÇAKIR G.  
28th Signal Processing and Communications Applications Conference (SIU), ELECTR NETWORK, 5 - 07 October 2020
- VI. **Dizi Antenlerde Ön-Arka Kulakçık Oranının Azaltılması**  
Şenol G., Çakır G.  
İmascon 2019, Kocaeli, Turkey, 26 - 28 April 2019, pp.719-724
- VII. **Gain Enhancement of UWB Printed Monopole Antenna with Modified Ground Plane**  
KOCAKAYA A., ÇAKIR G.  
İmascon 2019, Kocaeli, Turkey, 26 - 28 April 2019, pp.466-470
- VIII. **Design of Dielectric Top Layer for Gain Enhancement in Dual-Band Microstrip Antennas and Forming of Radiation Pattern by Changing Current Distribution**  
Demirel M., ÇAKIR G.  
İmascon 2019, Kocaeli, Turkey, 26 - 28 April 2019, pp.169-174
- IX. **Gain Enhancement of An Ultra Wide Band Rectangular Antenna**  
DİKMEN C. M., ÇAKIR G.  
International Conference on Electrical Engineering and Computer Science, Balvi, Latvia, 13 November 2018, pp.227-230
- X. **Ultra-Geniş Bant Frekans Seçici Yüzey ile Mikroşerit Anten Kazancını Arttırma**  
KOCAKAYA A., ÇAKIR G.

- IX. **URSI-TÜRKİYE?2018 BİLİMSEL KONGRESİ**, Konya, Turkey, 5 - 09 September 2018
- XI. **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
- 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. **A Novel Single Layer Frequency Selective Surface for Ultra-Wide Band Applications**  
KOCAYAYA A., ÇAKIR G.  
ELECO 2017 10th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 30 November - 02 December 2017
- 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. **Partial Gain Increase at Desired Frequency Range forUWB Microstrip Antennas Using Band-Stop FSS**  
Komron H., DİKMEN C. M., ÇAKIR G., KOCAYAYA A., ÇİMEN S.  
5th International Conference on Advanced Technology Sciences (ICAT'xx17), İstanbul, Turkey, 9 - 12 May 2017
- XVIII. **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
- XIX. **A Low Profile Miniaturized Band-pass Frequency Selective Surface With Angular Stability**  
KOCAYAYA A., ÇAKIR G.  
5th International Conference On Advanced Technology Sciences, İstanbul, Turkey, 9 - 12 May 2017, pp.651-654
- XX. **A Novel Refleccarray 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
- XXI. **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
- XXII. **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
- XXIII. **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
- XXIV. **A Novel Single Layer Frequency Selective Surface Design for Ultra-Wide Band Antenna Gain Enhancement**

KOCAKAYA A., ÇAKIR G., Dikmen C.

10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1075-1078

- XXV. **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
- XXVI. **Yağmurun Ku Bant Elektromanyetik Dalgalara Etkisinin Modellenmesi**  
Yayla A., ÇAKIR G.  
ELECO, Elektrik - Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 1 - 03 December 2016
- XXVII. **Açısal kararlılığa sahip ve minyatürize edilmiş bant durdurucu frekans seçici yüzey tasarımı**  
KOCAKAYA A., ÇAKIR G.  
URSI- Türkiye'2016 VIII. Bilimsel Kongresi, Ankara, Turkey, 1 - 03 September 2016
- XXVIII. **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
- XXIX. **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
- XXX. **A Novel dual band FSS reflector for RCS reduction**  
ÜNALDI S., BODUR H., ÇİMEN S., ÇAKIR G.  
ICENS 2016, 2nd International Conference on Engineering and Natural Sciences, Bosnahersek, 24 - 28 May 2016
- XXXI. **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
- XXXII. **Dual Band Dual Polarized MIMO Antenna Design for GSM Application**  
Ünalı S., Çimen S., Çakır G.  
ISITES2015, 3RD INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCECOMPATIBILITY, Valencia, Spain, 5 - 07 June 2015
- XXXIII. **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
- XXXIV. **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
- XXXV. **Double Side Axe Shaped UWB Antenna With Reduced RCS**  
DİKMEN C. M., ÇAKIR G.  
3rd Asia-Pacific Microwave Conference Proceedings (APMC), Seoul, South Korea, 5 - 08 November 2013, pp.215-217
- XXXVI. **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
- XXXVII. **Gerçekçi Hava Hedeflerinin FDTD Tabanlı RKA Simulasyonları**  
ÇAKIR G., ÇAKIR M., SEVGİ L.  
Savunma Teknolojileri Konferansı, ODTU, Ankara, Turkey, 20 - 22 June 2012
- XXXVIII. **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

- XXXIX. **PARALLEL FDTD-BASED RADAR CROSS SECTION SIMULATIONS**  
ÇAKIR M., ÇAKIR G., SEVGİ L.  
ELECO 2007, Bursa, Turkey, 5 - 09 December 2007
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## Supported Projects

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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

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Publication: 84

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## **Non Academic Experience**

Kocaeli Üniversitesi