

## Prof. Dr. GÖNÜL SAYAN

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### Eğitim Bilgileri

Doktora, Ohio State University, Elektrik-Elektronik Mühendisliği, Amerika Birleşik Devletleri 1983 - 1988

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Türkiye 1980 - 1981

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1974 - 1979

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektromanyetik, Elektromanyetik Dalgalar, Antenler ve Propagasyon, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 2003 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 1994 - 2003

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 1992 - 1994

Araştırma Görevlisi, Ohio State University, Faculty Of Engineering, Electrical Engineering Department, 1984 - 1988

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, 1980 - 1984

## Akademik İdari Deneyim

Orta Doğu Teknik Üniversitesi, 2016 - 2017

Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - 2016

## Yönetilen Tezler

SAYAN G., Automatic target recognition of quadcopter type drones from moderately-wideband electromagnetic data using convolutional neural networks, Yüksek Lisans, R.GÜNERİ(Öğrenci), 2022

SAYAN G., Theory and applications of surface plasmon resonance sensors, Yüksek Lisans, F.ÖZDEMİRCAN(Öğrenci), 2021

SAYAN G., DESIGN AND REALIZATION OF A BROAD BAND ANTENNA LOADED WITH A METAMATERIAL-INSPIRED LENS FOR SUBSURFACE MICROWAVE IMAGING APPLICATIONS, Yüksek Lisans, Ö.YEŞİLYURT(Öğrenci), 2019

SAYAN G., Design, fabrication and characterization of an ultra-broadband metamaterial absorber using bismuth in the near infrared region, Yüksek Lisans, İ.ÖZBAY(Öğrenci), 2018

SAYAN G., Metamaterial based wideband infrared absorbers, Doktora, K.ÜSTÜN(Öğrenci), 2017

SAYAN G., Kayıplı ve dağıtıcı dielektrik cisimler için elektromanyetik hedef tanıma: meme dokusu sınıflandırma ve tümör tespit problemine uygulamalar, Yüksek Lisans, B.İŞİK(Öğrenci), 2014

SAYAN G., Electromagnetic analysis and design of miniaturized branchline couplers, Yüksek Lisans, G.ORKUN(Öğrenci), 2014

SAYAN G., Novel multi-band metamaterials in microwave region with applications in antennas, Doktora, Ö.KÜÇÜKSARI(Öğrenci), 2014

SAYAN G., Electromagnetic target recognition for lossy and dispersive dielectric objects: Applications to breast tissue classification and tumor detection problem, Yüksek Lisans, B.İŞİK(Öğrenci), 2014

SAYAN G., Diyot pompalı katı hal laserlerinde maksimum verim ve minimum optik bozulma sağlayacak pompa odası tasarım kriterleri ve metodu, Yüksek Lisans, K.Zengin(Öğrenci), 2013

SAYAN G., Yarıkli halka rezonatör dizilerinin sayısal analizi, tasarımı ve iki kapılı eşdeğer devre modellenmesi, Yüksek Lisans, P.Yaşar(Öğrenci), 2010

SAYAN G., Mikrodalga ve terahertz bölgesi özgün metamalzemelerin tasarımı, üretimi ve karakterizasyonu : çok-bantlı, frekansı ayarlanabilir ve küçültülmüş yapılar, Doktora, E.Ekmekçi(Öğrenci), 2010

SAYAN G., Yeni metamalzemelerin geçirgenlik ve yayılma özellikleri, Yüksek Lisans, L.Şahin(Öğrenci), 2009

SAYAN G., Müzik algoritmasına ve wd-pca metoduna dayalı elektromanyetik hedef sınıflandırma tekniklerinin gürültü performanslarının incelenmesi, Yüksek Lisans, E.Ergin(Öğrenci), 2009

SAYAN G., Metamalzemelerin teorik incelemesi: srr yapıları ve iletken tellerden oluşan periyodik dizinler, Yüksek Lisans, K.Ozan(Öğrenci), 2008

SAYAN G., Tek ve çoklu hedeflerin sınıflandırılması için rezonans bölgede müsic algoritmasına dayalı yeni bir elektromanyetik hedef tanıma yöntemi, Doktora, M.Seçmen(Öğrenci), 2008

SAYAN G., Frekans kodlamalı sürekli dalgali radarlarda hedef tebiti için belirsizlik fonksiyonu tekniğinin ve bilinen fourier dönüşüm tekniğinin kullanılması, Yüksek Lisans, M.Akangöl(Öğrenci), 2005

SAYAN G., Küresel hedefler için elektromanyetik sınıflandırıcı tasarımı, Yüksek Lisans, M.Ayar(Öğrenci), 2005

SAYAN G., Evre kodlamalı sürekli dalgali radarlarda hedef tebiti için belirsizlik fonksiyonu tekniğinin kullanılması, Yüksek Lisans, E.Çankaya(Öğrenci), 2005

SAYAN G., Elektromanyetik hedef sınıflandırma amacıyla, doğal rezonanslara dayalı bir öznelik çıkarım tekniğinin iletken tellerle modellenmiş küçük ölçekli uçaklara uygulanması, Yüksek Lisans, M.Okan(Öğrenci), 2004

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Chemical Liquid and Concentration Sensing Applications Based on an All-Dielectric Absorber**  
KARACAN N., ÇETİN H., SAYAN G., EKMEKÇİ E.

IEEE Sensors Journal, cilt.24, sa.15, ss.23851-23858, 2024 (SCI-Expanded)

- II. **A novel miniaturized X-band coplanar waveguide branch-line coupler using T- and**  
**U-type equivalent transmission lines**  
Arıcan G. O., Sen O., SAYAN G.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.32, sa.7, 2022 (SCI-Expanded)
- III. **Response to "Comment on 'Sliding planar conjoined cut-wire-pairs: A novel approach for splitting and controlling the absorption spectra'" [J. Appl. Phys. 128, 126101 (2020)]**  
Karacan N., EKMEKÇİ E., SAYAN G.  
JOURNAL OF APPLIED PHYSICS, cilt.128, sa.12, 2020 (SCI-Expanded)
- IV. **Metasurface Lens for Ultra-Wideband Planar Antenna**  
Yesilyurt O., Turhan-Sayan G.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.68, sa.2, ss.719-726, 2020 (SCI-Expanded)
- V. **Bismuth plasmonics for extraordinary light absorption in deep sub-wavelength geometries**  
Ozbay I., Ghobadi A., BÜTÜN B., Turhan-Sayan G.  
OPTICS LETTERS, cilt.45, sa.3, ss.686-689, 2020 (SCI-Expanded)
- VI. **Broadband LWIR and MWIR metamaterial absorbers with a simple design topology: almost perfect absorption and super-octave band operation in MWIR band**  
ÜSTÜN K., Turhan-Sayan G.  
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, cilt.34, sa.7, 2017 (SCI-Expanded)
- VII. **Ultra-broadband long-wavelength infrared metamaterial absorber based on a double-layer metasurface structure**  
ÜSTÜN K., Turhan-Sayan G.  
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, cilt.34, sa.2, ss.456-462, 2017 (SCI-Expanded)
- VIII. **Comparison of coherently coupled multi-cavity and quantum dot embedded single cavity systems**  
KOCAMAN S., Sayan G.  
OPTICS EXPRESS, cilt.24, sa.25, ss.29330-29342, 2016 (SCI-Expanded)
- IX. **Wideband long wave infrared metamaterial absorbers based on silicon nitride**  
ÜSTÜN K., Turhan-Sayan G.  
JOURNAL OF APPLIED PHYSICS, cilt.120, sa.20, 2016 (SCI-Expanded)
- X. **Large bandwidth mode order converter by differential waveguides**  
Oner B. B., ÜSTÜN K., Kurt H., Okyay A. K., Turhan-Sayan G.  
OPTICS EXPRESS, cilt.23, sa.3, ss.3186-3195, 2015 (SCI-Expanded)
- XI. **Metamaterial absorber-based sensor embedded into X-band waveguide**  
SABAHA C., TURKMEN-KUCUKSARI O., Turhan-Sayan G.  
ELECTRONICS LETTERS, cilt.50, sa.15, ss.1075-1076, 2014 (SCI-Expanded)
- XII. **SINGLE-, DUAL-, AND TRIPLE-BAND METAMATERIAL-INSPIRED ELECTRICALLY SMALL PLANAR MAGNETIC DIPOLE ANTENNAS**  
Turkmen O., Turhan-Sayan G., Ziolkowski R. W.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.56, sa.1, ss.83-87, 2014 (SCI-Expanded)
- XIII. **Effects of using different boundary conditions and computational domain dimensions on modeling and simulations of periodic metamaterial arrays in microwave frequencies**  
Turkmen O., EKMEKÇİ E., Turhan-Sayan G.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.23, sa.4, ss.459-465, 2013 (SCI-Expanded)
- XIV. **Non-destructive recognition of dielectric coated conducting objects by using WD type time-frequency transformation and PCA-based fusion**  
Turhan-Sayan G., ERGİN E.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.23, sa.4, ss.403-409, 2013 (SCI-Expanded)

- XV. **Multi-functional metamaterial sensor based on a broad-side coupled SRR topology with a multi-layer substrate**  
EKMEKÇİ E., Turhan-Sayan G.  
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.110, sa.1, ss.189-197, 2013 (SCI-Expanded)
- XVI. **Nested U-ring resonators: a novel multi-band metamaterial design in microwave region**  
Turkmen O., EKMEKÇİ E., Turhan-Sayan G.  
IET MICROWAVES ANTENNAS & PROPAGATION, cilt.6, sa.10, ss.1102-1108, 2012 (SCI-Expanded)
- XVII. **Hybrid-shaped single-loop resonator: a four-band metamaterial structure**  
Yurduseven O., Yilmaz A. E., Turhan-Sayan G.  
ELECTRONICS LETTERS, cilt.47, sa.25, ss.1381-1382, 2011 (SCI-Expanded)
- XVIII. **Enhanced transmission of electromagnetic waves through split-ring resonator-shaped apertures**  
Sahin L., Aydin K., Sayan G., Ozbay E.  
JOURNAL OF NANOPHOTONICS, cilt.5, 2011 (SCI-Expanded)
- XIX. **Frequency tunable terahertz metamaterials using broadside coupled split-ring resonators**  
Ekmekci E., Strikwerda A. C., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.  
PHYSICAL REVIEW B, cilt.83, sa.19, 2011 (SCI-Expanded)
- XX. **Triangular-Shaped Single-Loop Resonator: A Triple-Band Metamaterial With MNG and ENG Regions in S/C Bands**  
Yurduseven O., Yilmaz A. E., Turhan-Sayan G.  
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, cilt.10, ss.701-704, 2011 (SCI-Expanded)
- XXI. **A dielectric corrugated feed horn antenna for satellite communication applications**  
Secmen M., Hizal A.  
Microwave and Optical Technology Letters, cilt.52, sa.8, ss.1709-1713, 2010 (SCI-Expanded)
- XXII. **Single loop resonator: dual-band magnetic metamaterial structure**  
EKMEKÇİ E., Turhan-Sayan G.  
ELECTRONICS LETTERS, cilt.46, sa.5, ss.324-325, 2010 (SCI-Expanded)
- XXIII. **Radar target classification method with reduced aspect dependency and improved noise performance using multiple signal classification algorithm**  
SEÇMEN M., Turhan-Sayan G.  
IET RADAR SONAR AND NAVIGATION, cilt.3, sa.6, ss.583-595, 2009 (SCI-Expanded)
- XXIV. **A tunable multi-band metamaterial design using micro-split SRR structures**  
EKMEKÇİ E., TOPALI K., AKIN T., Turhan-Sayan G.  
OPTICS EXPRESS, cilt.17, sa.18, ss.16046-16058, 2009 (SCI-Expanded)
- XXV. **Real time electromagnetic target classification using a novel feature extraction technique with PCA-based fusion**  
Turhan-Sayan G.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.53, sa.2, ss.766-776, 2005 (SCI-Expanded)
- XXVI. **Natural resonance-based feature extraction with reduced aspect sensitivity for electromagnetic target classification**  
Turhan-Sayan G.  
Pattern Recognition, cilt.36, sa.7, ss.1449-1466, 2003 (SCI-Expanded)
- XXVII. **Temperature effects on surface plasmon resonance: Design considerations for an optical temperature sensor**  
Ozdemir S., Turhan-Sayan G.  
JOURNAL OF LIGHTWAVE TECHNOLOGY, cilt.21, sa.3, ss.805-814, 2003 (SCI-Expanded)
- XXVIII. **Pole estimation for arbitrarily-shaped dielectric targets using genetic algorithm-based resonance annihilation technique**  
Turhan-Sayan G., Kuzuoglu M.  
ELECTRONICS LETTERS, cilt.37, sa.6, ss.380-381, 2001 (SCI-Expanded)
- XXIX. **Electromagnetic Target Classification using time frequency analysis and neural networks**  
SAYAN G., LEBLEBİCİOĞLU M. K., İNCE T.

- Microwave And Optical Technology Letters, cilt.21, ss.63-69, 1999 (SCI-Expanded)
- XXX. **Input signal shaping for target identification using genetic algorithms**  
SAYAN G., LEBLEBİCİOĞLU M. K., İNAN S.  
Microwave And Optical Technology Letters, cilt.17, ss.128-132, 1998 (SCI-Expanded)
- XXXI. **FREQUENCY-DOMAIN MECHANISM EXTRACTION**  
TURHANSAYAN G., DOMİNEK A.  
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.38, sa.10, ss.1716-1719, 1990 (SCI-Expanded)
- XXXII. **K-PULSE ESTIMATION USING LEGENDRE POLYNOMIAL-EXPANSIONS AND TARGET DISCRIMINATION**  
TURHANSAYAN G., MOFFATT D.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.4, sa.2, ss.113-128, 1990 (SCI-Expanded)
- XXXIII. **K PULSE ESTIMATION AND TARGET IDENTIFICATION OF LOW Q RADAR TARGETS**  
SAYAN G., MOFFATT D.  
Wave Motion, cilt.11, ss.453-461, 1989 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Sensitivity Analyses for All-Dielectric Absorber Structures Having Different Dielectric Resonator Geometries and Investigation of the Effect of Boundary Conditions on the Absorption Spectra**  
KARACAN N., SAYAN G., EKMEKÇİ E.  
Electrica, cilt.24, sa.1, ss.163-174, 2024 (ESCI)
- II. **Comparative investigation of resonance characteristics and electrical size of the double sided SRR BC SRR and conventional SRR type metamaterials for varying substrate parameters**  
EKMEKÇİ E., SAYAN G.  
Progress in Electromagnetics Research B, cilt.12, ss.35-62, 2009 (Scopus)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Detection and Recognition of Buried Conducting Objects Using Subsurface Microwave Images Constructed by Down-Looking GPR Measurements and by Energy-Based Target Features**  
Dinc S., Elibol H., Guneri R., Ozdol A., Sik F., Yesilyurt I. T., DOĞAN M., SAYAN G.  
AES (Advanced Electromagnetics Symposium) 2019, Lisbon, Portekiz, 24 - 26 Temmuz 2019
- II. **Directivity enhancement of antipodal vivaldi antenna using broadband metasurface lens**  
Sayan G., Yesilyurt O.  
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, APSURSI 2019, Georgia, Amerika Birleşik Devletleri, 7 - 12 Temmuz 2019, ss.631-632
- III. **Detection and Microwave Imaging of Conducting Objects Buried Very Closely to the Air-Soil Boundary**  
Dinc S., Elibol H., Guneri R., Ozdol A. B., Sik F., Yesilyurt I. T., DOĞAN M., Turhan-Sayan G.  
21st International Conference on Electromagnetics in Advanced Applications (ICEAA), Granada, Nikaragua, 9 - 13 Eylül 2019, ss.40-43
- IV. **Inside-the-wall detection of objects with low metal content using the GPR sensor: effects of different wall structures on the detection performance**  
DOĞAN M., YESİLTURT O., SAYAN G.  
Detection and Sensing of Mines, Explosive Objects, and Obscured Targets XXIII, Orlando, United States, Amerika Birleşik Devletleri, 15 - 19 Nisan 2018
- V. **Investigation of the Effects of Buried Object Orientation in Subsurface Target Detection by GPR**  
DOĞAN M., SAYAN G.  
7th IEEE International Symposium on Microwaves, Antennas, Propagation and EMC Technologies, Xi'xxan, Çin, 24 - 27 Ekim 2017

- VI. **Wide Bandwidth Absorption in the MWIR Region using a Thin and Simple Metamaterial Absorber**  
ÜSTÜN K., SAYAN G.  
4th International EMC Turkiye Conference, Ankara, Türkiye, 24 - 27 Eylül 2017
- VII. **Through-The-Wall Target Detection using GPR A-Scan Data: Effects of Different Wall Structures on Detection Performance**  
DOĞAN M., SAYAN G.  
4th International EMC Turkiye Conference, Ankara, Türkiye, 24 - 27 Eylül 2017
- VIII. **Detection of Conducting and Dielectric Objects Buried under a Layer of Asphalt or Concrete Using Simulated Ground Penetrating Radar Signals**  
DOĞAN M., GÜMÜŞ S., SAYAN G.  
ICEAA/IEEE APWC Meeting at Verona, Italy, Verona, İtalya, 11 - 15 Eylül 2017
- IX. **Investigation of Simulated Ground Penetrating Radar Data for Buried Objects Using Quadratic Time-Frequency Transformations**  
DOĞAN M., SAYAN G.  
2017 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, San Diego, Amerika Birleşik Devletleri, 7 - 14 Temmuz 2017
- X. **Through-the-wall target detection by energy features extracted from simulated ultra wideband radar signals (Çok Geniş Bantlı Radar Benzetim Sinyallerinden Hesaplanan Enerji Öznitelikleri ile Duvar Arkasındaki Hedeflerin Tespiti)**  
DOĞAN M., SAYAN G.  
Sinyal İşleme ve Uygulamaları Kurultayı (SIU) 2017, Antalya, Türkiye, 15 - 18 Mayıs 2017
- XI. **Delay characteristics comparison of coherently coupled high-Q multi-cavity array and single embedded quantum dot cavity systems**  
KOCAMAN S., Sayan G. T.  
Conference on Quantum Dots and Nanostructures - Growth, Characterization, and Modeling XIV, San-Francisco, Kostarika, 30 - 31 Ocak 2017, cilt.10114
- XII. **Through-the-Wall Target Detection by Energy Features Extracted from Simulated Ultra Wideband Radar Signals**  
Dogan M., Turhan-Sayan G.  
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017
- XIII. **Thin Wideband Infrared Metamaterial Absorber with Coplanar Metallic Patches of Different Sizes submitted to in Crete Greece September 19 22 2016**  
ÜSTÜN K., SAYAN G.  
10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (Metamaterials' 2016), Girit, Yunanistan, 19 - 22 Eylül 2016
- XIV. **Yeraltı Radar Verilerinden Enerji Tabanlı Ön İşleme ve Hedef Tespiti**  
DOĞAN M., AYDIN T., DURSUN A. A., GÜMÜŞ S., KOÇ Y. E., SAYAN G.  
URSI-TÜRKİYE'2016 VIII. Bilimsel Kongresi, Ankara, Türkiye, 1 - 03 Eylül 2016
- XV. **Kızılötesi Bantlarda İnce Metamalzeme Sönümleyici Tasarımı**  
ÜSTÜN K., SAYAN G.  
URSI-TÜRKİYE'2016 VIII. Bilimsel Kongresi, Ankara, Türkiye, 1 - 03 Eylül 2016
- XVI. **Preprocessing of A Scan GPR Based on Energy Features**  
DOĞAN M., SAYAN G.  
SPIE Defense+Security Symposium 2016, Baltimore, Amerika Birleşik Devletleri, 17 - 21 Nisan 2016
- XVII. **Thin Wideband Infrared Metamaterial Absorber with Coplanar Metallic Patches of Different Sizes**  
Ustun K., Turhan-Sayan G.  
10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (METAMATERIALS), Chania, Yunanistan, 19 - 22 Eylül 2016, ss.352-354
- XVIII. **The effect of periodicity distance in electric field direction on the resonance frequency by using equivalent circuit model and simulation**  
YAŞARÖRTEN P., SAYAN G.

- IEEE Antennas and Propagation Society International Symposium, APS 2015, Kanada, 19 - 24 Temmuz 2015
- XIX. Broadband One Way Propagation via Dielectric Waveguides with Unequal Effective Index**  
Oner B. B., Ustun K., KURT H., OKYAY A. K., Turhan-Sayan G.  
27th IEEE Photonics Conference (IPC), California, Amerika Birleşik Devletleri, 12 - 16 Ekim 2014, ss.556-557
- XX. Electromagnetic Signal Processing for Feature Extraction and Classification of Lossy Dielectric Targets**  
Turhan-Sayan G., Barut B. I.  
Progress In Electromagnetics Research Symposium, Stockholm, İsveç, 12 - 15 Ağustos 2013, ss.184-187
- XXI. Metamaterial Inspired Electrically Small GSM Antenna with Steerable Radiation Patterns and High Radiation Efficiency**  
OZNUR T., SAYAN G., ZIOLKOWSKI R.  
2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI), Amerika Birleşik Devletleri, 7 - 13 Temmuz 2013
- XXII. A compact five-band SLR type metamaterial**  
Yurduseven O., Yilmaz A. E., Turhan-Sayan G.  
6th European Conference on Antennas and Propagation, EuCAP 2012, Prague, Çek Cumhuriyeti, 26 - 30 Mart 2012, ss.2865-2867
- XXIII. Electromagnetic Object Recognition for Dielectric Coated Conductors Based on WD-PCA Type Fused Feature Extraction**  
Turhan-Sayan G., Ergin E.  
Progress In Electromagnetics Research Symposium (PIERS), Moscow, Rusya, 19 - 23 Ağustos 2012, ss.212-215
- XXIV. Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region**  
Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.  
CLEO: Science and Innovations, CLEO\_SI 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011
- XXV. Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region**  
Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.  
CLEO: Applications and Technology, CLEO\_AT 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011
- XXVI. Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region**  
Ekmeki E., Strikwerda A. C., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.  
36th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2011, Houston, TX, Amerika Birleşik Devletleri, 2 - 07 Ekim 2011
- XXVII. Miniaturization of U-shaped multi-band metamaterial structures**  
Turkmen O., Ekmekci E., Turhan-Sayan G.  
2011 30th URSI General Assembly and Scientific Symposium, URSIGASS 2011, İstanbul, Türkiye, 13 - 20 Ağustos 2011
- XXVIII. Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region**  
Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.  
2011 Conference on Lasers and Electro-Optics, CLEO 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011
- XXIX. A new method for the verification of effective medium parameters for metamaterials Metamalzeme etkin ortam parametrelerinin doğrulanması için yeni bir yöntem**  
Ekmekçi E., Turhan-Sayan G.  
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- XXX. Parametric investigation of a new multi-band metamaterial design: U-shaped multiple ring magnetic resonators**  
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SAYAN G., DOĞAN M., Yükseköğretim Kurumları Destekli Proje, Toprağa Gömülü veya Engel Arkasına Gizlenmiş Hedeflerin Tespit ve Teşhisi İçin Yeraltı Radarı (GPR) Sinyal Simülasyonları, Önışleme ve Öznitelik Çıkarım Yöntemleri, 2016 - 2017

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## Bilimsel Danışmanlıklar

TÜBİTAK-EEAG, Bilimsel Projeler İçin Yapılan Danışmanlık, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik ve Elektronik Mühendisliği Bölümü, Türkiye, 2018 - 2019

## Metrikler

Yayın: 100

Atıf (WoS): 899

Atıf (Scopus): 1186

H-İndeks (WoS): 16

H-İndeks (Scopus): 18

## Akademi Dışı Deneyim

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