

## Prof. Dr. ÇİĞDEM SEÇKİN GÜREL

### Kişisel Bilgiler

E-posta: cigdem@hacettepe.edu.tr

Web: <https://avesis.hacettepe.edu.tr/cigdem>

### Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-2478-7632

ScopusID: 6602912753

Yoksis Araştırmacı ID: 114930

### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1995 - 2000

### Araştırma Alanları

Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2005 - Devam Ediyor

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

- I. **Response of magnetized plasma having linearly varying electron density profile to oblique electromagnetic wave incidence**  
Kilic O., GÜREL Ç. S.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.32, sa.16, ss.2046-2054, 2018 (SCI-Expanded)
- II. **Band-blocking optical filter including ultrathin metallic film**  
GÜREL Ç. S., Kilic O.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.30, sa.18, ss.2484-2491, 2016 (SCI-Expanded)
- III. **Analysis of Annular Ring Microstrip Antenna with Air Gap and Uniaxial Substrate Superstrate Layers**  
GÜREL Ç. S., YAZGAN E.  
WIRELESS PERSONAL COMMUNICATIONS, cilt.78, sa.2, ss.1249-1255, 2014 (SCI-Expanded)
- IV. **Resonant frequency of parallel plate type uniaxially anisotropic multilayered cylindrical dielectric resonator**  
GÜREL Ç. S., Yenilmez R.  
INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS, cilt.35, sa.2, ss.103-112, 2011 (SCI-Expanded)
- V. **RESONANCE IN MICROSTRIP RING RESONATOR WITH UNIAXIALLY ANISOTROPIC SUBSTRATE AND SUPERSTRATE LAYERS**  
Gurel Ç. S., Yazgan E.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.24, ss.1135-1144, 2010 (SCI-Expanded)
- VI. **RESONANT FREQUENCY OF AIR GAP TUNED CIRCULAR MICROSTRIP ANTENNA WITH ANISOTROPIC**

## **SUBSTRATE AND SUPERSTRATE LAYERS**

Gurel Ç. S., Yazgan E.

JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.24, sa.13, ss.1731-1740, 2010 (SCI-Expanded)

- VII. **ACCURATE RESONANT FREQUENCY COMPUTATION OF MULTISEGMENT RECTANGULAR DIELECTRIC RESONATOR ANTENNAS**

Gurel Ç. S., Cosar H., Akalin O.

JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.24, ss.839-847, 2010 (SCI-Expanded)

- VIII. **EFFICIENT METHOD FOR RESONANT FREQUENCY COMPUTATION OF RECTANGULAR DIELECTRIC RESONATOR ANTENNAS**

GÜREL Ç. S., Cosar H.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.51, sa.7, ss.1706-1708, 2009 (SCI-Expanded)

- IX. **Frequency Selective Characteristics of a Plasma Layer with Sinusoidally Varying Electron Density Profile**

GÜREL Ç. S., Oencue E.

JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.30, sa.6, ss.589-597, 2009 (SCI-Expanded)

- X. **Computation and optimization of resonant frequency and input impedance of a coax-fed circular patch microstrip antenna**

Gurel C. S., Aydin E., Yazgan E.

MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.9, ss.2263-2267, 2007 (SCI-Expanded)

- XI. **Beam steering characteristics of strip line fed printed array antenna on magnetized ferrite**

Akyunus M., Gurel Ç. S.

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.60, sa.2, ss.142-146, 2006 (SCI-Expanded)

- XII. **Characteristics of a circular patch microstrip antenna on uniaxially anisotropic substrate**

Gurel Ç. S., Yazgan E.

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.52, sa.10, ss.2532-2537, 2004 (SCI-Expanded)

- XIII. **Compensation of superstrate effects on the resonant behavior of the microstrip ring structure by using an air-cap control**

Gurel Ç. S., Yazgan E.

IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, cilt.43, sa.2, ss.219-223, 2001 (SCI-Expanded)

- XIV. **Resonant frequency of an air gap tuned circular disc microstrip antenna**

Gurel Ç. S., Yazgan E.

INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.87, sa.8, ss.973-979, 2000 (SCI-Expanded)

- XV. **New determination of dynamic permittivity and resonant frequency of tunable circular disk microstrip structures**

Gurel Ç. S., Yazgan E.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.10, sa.2, ss.120-126, 2000 (SCI-Expanded)

- XVI. **Simple determination of effective permittivity and resonant frequency of a microstrip ring antenna including air gap**

Gurel Ç. S., Yazgan E.

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.54, sa.4, ss.238-240, 2000 (SCI-Expanded)

- XVII. **Modified cavity model to determine resonant frequency of tunable microstrip ring antenna**

Gurel Ç. S., Yazgan E.

ELECTROMAGNETICS, cilt.19, sa.5, ss.443-455, 1999 (SCI-Expanded)

- XVIII. **Modified resonant frequency calculation for two-layered circular patch microstrip antenna**

Gurel Ç. S., Yazgan E.

AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.53, sa.3, ss.155-157, 1999 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **High sensitivity photonic crystal biosensor design for real time detection of viruses in infected blood sample**  
GÜREL Ç. S., Ceylan N. E.  
JOURNAL OF OPTICS-INDIA, 2024 (ESCI)

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

- I. **Wavelength Division Multiplexing Optical Filter Design with Fibonacci Series for Optical Communication Systems Fibonacci Serileri ile Optik Haberleşme Sistemleri için Dalga Boyu Çoklayıcı Optik Filtre Tasarımı**  
Maktav M. B., GÜREL Ç. S.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Türkiye, 15 - 18 Mayıs 2022
- II. **Association of serotonin transporter gene (SLC6A4) polymorphisms with alcohol dependence in a Turkish population**  
KARACA O. R., BABAOĞLU M. Ö., YAŞAR Ü., AYHAN Y., GÜREL Ç. S., DILBAZ N., DEMİR B., ULUG B., Bozkurt A.  
9th International Meeting of the International-Society-for-the-Study-of-Xenobiotics(ISSX), İstanbul, Türkiye, 4 - 08 Eylül 2010, cilt.42, ss.255-256
- III. **Antenna array pattern optimisation in the case of array element failure**  
Taskin A., Gurel Ç. S.  
33rd European Microwave Conference, Munich, Almanya, 7 - 09 Ekim 2003, ss.1083-1085
- IV. **The effects of. uniaxially anisotropic superstrate shielding on the resonant characteristics of circular microstrip patch**  
Gurel Ç. S., Yazgan E.  
IEEE International Symposium on Electromagnetic Compatibility (EMC), İstanbul, Türkiye, 11 - 16 Mayıs 2003, ss.935-937

## **Metrikler**

Yayın: 23

Atf (WoS): 114

Atf (Scopus): 88

H-İndeks (WoS): 6

H-İndeks (Scopus): 5