

Dr. Öğr. Üyesi TAYFUN OKAN

Kişisel Bilgiler

E-posta: token@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/token>

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0002-9913-0803

Publons / Web Of Science ResearcherID: ABB-3196-2021

ScopusID: 57203873724

Biyografi

Tayfun Okan received his Ph.D. degree in Electrical and Electronics Engineering from [Gazi University](#) in 2018. He was with [University of Turkish Aeronautical Association](#) (Ankara), Electrical and Electronics Engineering Department, between 2012 and 2021, as a lecturer (2012-2018) and assistant professor (2018-2021). He then joined the Department of Electrical and Electronics Engineering of [Gazi University](#) in 2021.

Tayfun has published studies in different journals, and has presented research outcomes in several conferences. His research interests lie in the fields including:

- I. Electromagnetics, microwave and antenna engineering (design, development, optimization, analysis, manufacturing and measurement)
- II. Sub-6 GHz and mm-wave antenna technologies (array, MIMO antenna structures) for 5G wireless communication systems
- III. Waveguides, impedance matching, TE-TM-TEM waves, transmission lines
- IV. Near field/far field antenna radiation pattern calculations, radar cross section calculation algorithms
- V. Filter design
- VI. In-body antenna applications for biotelemetry applications (by forming mimicking gels)
- VII. Computational electromagnetic, high frequency techniques (PO, GO, GTD, SBR, MLFMA)
- VIII. Metamaterial and metasurface-based devices
- IX. Graphene applications in terahertz band

Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, Türkiye 2013 - 2018

Yüksek Lisans, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, Türkiye 2009 - 2012

Lisans, Başkent Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 2005 - 2009

Araştırma Alanları

Elektromanyetik

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **28/38 GHz dual-band MIMO antenna with wideband and high gain properties for 5G applications**
Cuneray K., AKÇAM N., Okan T., Arican G. O.
AEU - International Journal of Electronics and Communications, cilt.162, 2023 (SCI-Expanded)
- II. **High efficiency unslotted ultra-wideband microstrip antenna for sub-terahertz short range wireless communication systems**
Okan T.
OPTIK, cilt.242, 2021 (SCI-Expanded)
- III. **A Wideband Conductor Backed Coplanar Waveguide Fed Implantable Antenna Operable in Different Tissues for Biotelemetry Applications**
OKAN T.
Radioengineering, cilt.30, sa.2, ss.335-341, 2021 (SCI-Expanded)
- IV. **Wideband low cost FR4 epoxy based antenna with H-shaped slot for V-band applications**
Okan T., AKÇAM N.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.31, sa.2, 2021 (SCI-Expanded)
- V. **Performance analysis of concatenated BCH and convolutional coded OFDM system**
Yavasoglu O., AKÇAM N., Okan T.
INTERNATIONAL JOURNAL OF ELECTRONICS, cilt.107, sa.10, ss.1574-1587, 2020 (SCI-Expanded)
- VI. **Design and analysis of a quad-band substrate-integrated-waveguide cavity backed slot antenna for 5G applications**
Okan T.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.30, sa.7, 2020 (SCI-Expanded)
- VII. **A compact octagonal-ring monopole antenna for super wideband applications**
Okan T.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.62, sa.3, ss.1237-1244, 2020 (SCI-Expanded)
- VIII. **Analysis of Antennas around NURBS Surfaces by Using a Hybrid Method**
Okan T., AKÇAM N.
RADIOENGINEERING, cilt.27, sa.3, ss.703-710, 2018 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Design and Fabrication of Compact Microstrip Low-pass Filter with Thin Film Technique for Wideband Applications**
Tüzün R., Akçam N., Okan T.
GUJS, cilt.35, sa.2, ss.558-565, 2022 (ESCI)
- II. **Compact Power-Symbol Shaped Microstrip Antenna for Healthcare Monitoring Systems Sağlık Hizmetleri İzleme Sistemleri için Kompakt Güç Sembolü Şekli Mikroselit Anten**
Kis G. E., OKAN T.
El-Cezeri Journal of Science and Engineering, cilt.9, sa.1, ss.232-240, 2022 (Scopus)
- III. **High Isolation Wideband Multiple-Input Multiple-Output Antennas for Millimeter Wave Applications**
Okan T.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, cilt.16, sa.4, ss.355-360, 2020 (Hakemli Dergi)
- IV. **Design, Fabrication and Performance Analysis of TTD Structures for S-band Active Phased Array RF Beamforming Networks**
Hastürk A., Akçam N., Okan T.
Manas Journal of Engineering, cilt.7, sa.2, ss.94-98, 2019 (Hakemli Dergi)
- V. **Scattering Analysis of Antenna by Using Ludwig Based Hybrid Method**
Okan T., Akçam N.
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.31, sa.4, ss.1156-1164, 2018 (ESCI)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Bandwidth and Gain Enhancement using FSS on CPW-fed Rectangular Patch Antenna for 5G mm-Wave Applications**
HABERGÖTÜREN ATEŞ S., AKÇAM N., OKAN T.
2022 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Ankara, Türkiye, 9 - 11 Haziran 2022
- II. **Design and Analysis of an In-body Antenna for Medical Applications at 2.45 GHz**
Kandemir H. G., Okan T.
ISPEC 10th International Conference on Engineering and Natural Sciences, Siirt, Türkiye, 16 - 18 Mayıs 2021, ss.318-326
- III. **An Eye Shaped Patch Antenna Operable at Sub-6 GHz Frequency Bands for Fifth Generation Wireless Communication Systems**
Okan T.
International Conference on Engineering Technologies (ICENTE), Konya, Türkiye, 19 - 21 Kasım 2020, ss.136-139
- IV. **Performance Enhancement of Crescent Patch Antenna with Rectangular Slots and Inset Fed for 5G Applications**
Cuneray K., Akçam N., Okan T.
2nd IEEE Global Power, Energy and Communication Conference, GPECOM 2020, Virtual, İzmir, Türkiye, 20 - 23 Ekim 2020, ss.318-321
- V. **Wearable Textile Slot Antenna for C-Band Wireless Applications**
Okan T.
9th International Conference on Advanced Technologies (ICAT), İstanbul, Türkiye, 10 - 12 Ağustos 2020, ss.58-59
- VI. **Emotion Recognition from Speech by Using GMM-SVM and MFCC Algorithms**
Okan T.
II. International Scientific and Vocational Studies Congress – Engineering and Natural Sciences, Nevşehir, Türkiye, 5 - 08 Temmuz 2018, ss.1
- VII. **Performance Improvement and Comparison of Multipath AWGN Channel by Using OFDM Systems**
Yavaşoğlu O., Akçam N., Okan T.
II. International Scientific and Vocational Studies Congress – Engineering and Natural Sciences, Nevşehir, Türkiye, 5 - 08 Temmuz 2018, ss.1
- VIII. **Energy Efficiency In The Transmission And Distribution Of Electric Energy**
Okan T.
6th International Symposium on Energy Challenges & Mechanics (ISECM), Inverness, Birleşik Krallık, 14 - 18 Ağustos 2016, ss.1
- IX. **Fiziksel Optik Yöntemi Kullanılarak Basit ve Karmaşık Şekilli Nesnelerin Radar Kesit Alanı Hesaplaması**
Okan T., Akçam N.
İlk Bildiriler Konferansı, Ankara, Türkiye, 29 - 30 Haziran 2012, ss.40

Metrikler

Yayın: 23

Atıf (WoS): 28

Atıf (Scopus): 51

H-İndeks (WoS): 4

H-İndeks (Scopus): 4