

Res. Asst. EMİNE AVŞAR AYDIN

Personal Information

Office Phone: [+90 322 338 6868](tel:+903223386868) Extension: 124

Email: avsare@cu.edu.tr

Web: <https://avesis.cu.edu.tr//avsare>

Address: Çukurova Üniversitesi Elektrik-Elektronik Müh. Bölümü

International Researcher IDs

ORCID: 0000-0002-5068-2957

Yoksis Researcher ID: 127690

Education Information

Doctorate, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, Turkey 2011 - Continues

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, Turkey 2008 - 2010

Research Areas

Electrical and Electronics Engineering, Electromagnetic, Electromagnetic in Biology and Medicine, Wave Propagation and Remote Sensing, Electromagnetic Waves, Antennas and Propagation, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2009 - Continues

Articles Published in Other Journals

- I. **The effects of dielectric values, breast and tumor size on the detection of breast tumor**
UNCU N., AVŞAR AYDIN E.
Tehnički glasnik, vol.13, no.3, pp.197-203, 2019 (ESCI)
- II. **Evaluation of Breast Tumor with Antipodal Vivaldi Antenna**
AVŞAR AYDIN E.
Majlesi Journal of Telecommunication Devices, vol.7, no.1, 2018 (Peer-Reviewed Journal)
- III. **THE EFFECT OF IN BREAST CANCER DETECTION BY MICROWAVES**
AVŞAR AYDIN E.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.32, no.2, 2017 (Peer-Reviewed Journal)
- IV. **A Bow-Tie Antenna Design for Breast Cancer Detection**
AVŞAR AYDIN E., GENÇOĞLAN D. N.
The international journal of energy engineering sciences, vol.1, no.2, pp.15-24, 2017 (Peer-Reviewed Journal)
- V. **ASSESSMENT OF VIVALDI ANTENNA PARAMETERS FOR BIOMEDICAL APPLICATIONS**
AVŞAR AYDIN E.

Majlesi Journal of Telecommunication Devices, vol.6, no.2, 2017 (Peer-Reviewed Journal)

- VI. **An Approximate Solution for the Scattering of High-Frequency Plane Electromagnetic Waves from a Perfectly Conducting Strip**
İKİZ T., AVŞAR AYDIN E.
Majlesi Journal of Telecommunication Devices, vol.6, no.2, 2017 (Peer-Reviewed Journal)
- VII. **An Approximate Solution for the Plane Wave Diffraction by an Impedance Strip H Polarization Zase**
AVŞAR AYDIN E., İKİZ T.
Tehnicki Glasnik, vol.10, pp.79-97, 2016 (ESCI)
- VIII. **Farklı Dielektrik Ortamların İçerisindeki Dielektrik Küreden Saçılan Alanların Analizi Kaynak ve Gözlem Noktalarının Karşılıklı Olması Durumunda**
AVŞAR AYDIN E., GÜNENÇ TUNCEL N.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.16, pp.276-284, 2016 (Peer-Reviewed Journal)
- IX. **Formulation of the Diffraction Problem of Almost Grazing Incident Plane Wave by an Anisotropic Impedance Wedge**
AVŞAR AYDIN E., İKİZ T.
Majlesi Journal of Telecommunication Devices, vol.3, no.3, 2014 (Peer-Reviewed Journal)
- X. **THE STATE OF MICROWAVE IN BREAST CANCER IMAGING MEME KANSERİ GÖRÜNTÜLEMESİNDE MİKRODALGANIN YERİ**
BİÇER M. B., AVŞAR AYDIN E., AKDAĞLI A.
The Journal of the Institute of Science and Technology of Erciyes University, vol.30, no.4, pp.257-263, 2014 (Peer-Reviewed Journal)
- XI. **FORMULATION OF THE DIFFRACTION PROBLEM OF ALMOST GRAZING INCIDENT PLANE WAVE BY AN ANISOTROPIC IMPEDANCE ANİZOTROPİK BİR KAMA YÜZEYİNE EĞİK BİR ŞEKİLDE GELEN DÜZLEM BİR DALGANIN KIRINIMI PROBLEMİNİN FORMÜLASYONU**
AVŞAR AYDIN E., İKİZ T.
Majlesi Journal of Electrical Engineering, vol.3, no.3, 2014 (Scopus)
- XII. **MEME KANSERİ TESPİTİNDE MİKRODALGALARIN ÖNEMİ VE KANSERLİ SAĞLIKLI MEME DOKULARININ YAPAY ZEKÂ ALGORİTMALARI İLE TANIMLANABİLMESİ THE IMPORTANCE OF MICROWAVES IN THE DETECTION OF BREAST CANCER AND THE IDENTIFICATION CANCER HEALTHY BREAST TISSUES BY ARTIFICIAL INTELLIGENCE ALGORITHMS**
AVŞAR AYDIN E.
Çukurova University, Journal of Engineering and Architecture, vol.29, no.2, 2014 (Peer-Reviewed Journal)
- XIII. **BİTKİSEL YAĞLARIN SICAKLIĞA VE FREKANS BAĞLI DİELEKTRİK ÖZELLİKLERİNİN BENZETİM YOLUYLA DEĞERLENDİRİLMESİ EVALUATION OF TEMPERATURE AND FREQUENCY DEPENDENCE DIELECTRIC PROPERTIES OF VEGETABLE OILS BY SIMULATION**
AVŞAR AYDIN E.
Çukurova University, Journal of Engineering and Architecture, vol.28, no.2, 2013 (Peer-Reviewed Journal)
- XIV. **PERTURBATION METHOD IN THE DIFFRACTION PROBLEM OF ALMOST GRAZING INCIDENT PLANE WAVE BY AN ANISOTROPIC IMPEDANCE WEDGE ANİZOTROPİK BİR KAMA YÜZEYİNE EĞİK BİR ŞEKİLDE GELEN DÜZLEM BİR DALGANIN KIRINIMI PROBLEMİ İÇİN PERTURBASYON METODU**
AVŞAR AYDIN E., İKİZ T.
Çukurova University Institute of Natural and Applied Science, Journal of Science and Engineering, vol.29, no.4, 2013 (Non Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PLA/KARBON ALT TABANLI BOW-TIE ANTEN ÜRETİMİNE ÇOK KATMANLI PERCEPTRON YAKLAŞIMI**
Saribaş G., AVŞAR AYDIN E., TORUN A. R.
International Conference on Research in Natural and Engineering Sciences (ICRNES 2020), Konya, Turkey, 14 - 15

November 2020

II. PLA/KARBON/BAKIR KARIŞIMLARI İLE ÜRETİLEN FARKLI PARAMETRELİ BOW-TIE ANTENLERİNE ÇOK KATMANLI PERCEPTRON YAKLAŞIMI

Sarıbaş G., AVŞAR AYDIN E., TORUN A. R.

International Conference on Research in Natural and Engineering Sciences (ICRNES 2020), Konya, Turkey, 14 - 15 November 2020

III. Multilayer Perceptron Approach to PLA, PLA / Copper and PLA / Carbon Substrate Bow-tieAntenna Production

Sarıbaş G., AVŞAR AYDIN E., TORUN A. R.

"International Symposium on Multidisciplinary Studiesand Innovative Technologies, Bolu, Turkey, 22 - 24 October 2020

IV. Multilayer Perceptron Approach to Different Parameter Bow-tie Antennas Produced with PLA/ Carbon / Copper Mixtures

Sarıbaş G., AVŞAR AYDIN E., TORUN A. R.

"International Symposium on Multidisciplinary Studiesand Innovative Technologies, Bolu, Turkey, 22 - 24 October 2020

V. Evaluation of Breast Tumor with Antipodal Vivaldi Antenna

AVŞAR AYDIN E.

International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017

VI. The Importance of the Physical Properties of Antennas Used in Biomedical Applications

AVŞAR AYDIN E.

2nd International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2017

VII. Mikrodalga Görüntüleme Yöntemi ile Meme Kanseri Tespit Çalışmalarında Fantom Modellerin Önemi

AVŞAR AYDIN E.

First International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016

VIII. A Bow Tie Antenna Design For Breast Cancer Detection

AVŞAR AYDIN E., Gençoğlu D. N.

International Energy and Engineering Conference 2016, 13 - 14 October 2016

IX. Meme Kanseri Tespiti için Çift-Çıkıntılı Horn Anten Kullanarak Deneysel ve Simülasyon Sonuçlarının Değerlendirilmesi

SERBEST A., AVŞAR AYDIN E.

URSI TÜRKİYE'2014 VII. Bilimsel Kongresi, Elazığ, Turkey, 28 - 30 August 2014, pp.1-4

X. MEME KANSERİ TESPİTİ İÇİN ÇİFT ÇIKINTILI HORN ANTEN KULLANARAK DENEYSEL VE SİMÜLASYON SONUÇLARININ DEĞERLENDİRİLMESİ

AVŞAR AYDIN E., SERBEST A.

URSI (International Union of Radio Science)-TÜRKİYE'2014 VII. Scientific Congress (Bilimsel Kongresi), Elazığ, Turkey, 28 - 30 August 2014

Supported Projects

İKİZ T., Biçer M. B., AVŞAR AYDIN E., SERBEST A., Project Supported by Higher Education Institutions, "An Approximate Solution for the Plane Wave Diffraction by an Impedance Strip: H-Polarization Case", 2014 - 2016

Metrics

Publication: 24

Non Academic Experience

RWTH Aachen University-Almanya