

Prof. Erdem Yazgan

Personal Information

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International Researcher IDs

ScholarID: pj-k3PEAAAAJ

ORCID: 0000-0003-4957-1173

Publons / Web Of Science ResearcherID: G-6303-2018

ScopusID: 7003893885

Yoksis Researcher ID: 7278

Biography

Erdem Yazgan

Erdem Yazgan received the B.S. and M.S. degrees from the Middle East Technical University, Ankara, Turkey, and the PhD. Degree from Hacettepe University, Ankara, Turkey in 1980, all in Electrical and Electronics Engineering. In 1989 she was a Visiting Professor with Essex University, Essex, U.K. In 1994-1995 she was with the Electrosience Laboratory, The Ohio State University, Columbus, USA. Between 1990 and 2015, she was a Professor at the Department of Electrical and Electronics Engineering, Hacettepe University.

She worked as an advisor in World Bank Industrial Training Project, TAFICS – NATO, TUBİTAK-Space Institute for Göktürk-II, METU, Information Technology Division (BTK) Lab. H.U. Teknokent Radio-TV Standardisation Committee of the Standardisation Institute of Turkey and Defense Electronics Firms. Her research interests include HF Propagation, Low Altitude Radar Systems, Mobile Communications, MIC's, Reflector and Microstrip Antennas, Gaussian Beam Solutions, Conformal Mapping, Satellite Communication and Medical Electronics.

Professor Dr.Erdem Yazgan joined the Engineering faculty of TED University as Chair for Electrical-Electronics Engineering in 2015. she is married and mother of two children

Research Areas:

- Electrical and Electronic Engineering
- Microwave and Millimetrewave Theory and Technology

Research Interests:

HF Propagation, Low Altitude Radar Systems, Mobile Communications, MIC's, Reflector and Microstrip Antennas, Gaussian Beam Solutions, Conformal Mapping, Satellite Communication and Medical Electronics

Foreign Languages

English

Certificates, Courses and Trainings

BSc, Middle East Technical University, Continues

PhD, Hacettepe University, Continues

Msc, Middle East Technical University, Continues

IT, CTL: Defining the Future of Universities through Learning Innovation, TED UNIVERSITY, 2022

Innovation Management, Self and Peer Evaluation in Education, TED Üniversitesi, 2022

Data Analysis, CTL: TEDU Academic Activity Reporting System Training, TED Üniversitesi, 2022

Education Management and Planning, CTL: Learning-Centered Course Design and Delivery, TED Üniversitesi, 2022

Project Management, TÜBİTAK [ARBİS] Teknoloji Odaklı Sanayi Hamlesi Programı Mobilite Çağrısı Kapsamında

Desteklenen Projelere Yönelik Tanıtım ve Bilgilendirme Toplantısı, SANAYİ BAKANLIĞI, 2022

Vocational Training, CTL: Adult Education: From Theory to Practice, TED Üniversitesi, 2022

Vocational Training, YÖRÜNGELİ AÇISAL MOMENT TAŞIYAN ELEKTROMANYETİK DALGALAR, TÜBİTAK, 2022

Vocational Training, Optical Waveguide Simulations, SPIE, 2022

Vocational Training, CTL: Etkileşimli Öğrenme: Pandemi Deneyimleri Üzerine Yansımalar, TED Üniversitesi, 2022

Education Management and Planning, CTL: Regulations for Academic Research Incentive, TED UNIVERSITY, 2022

IT, Accelerating Institutional Success and Innovation through Digital Learning Tools, TED UNIVERSITY, 2022

Innovation, Fotoğrafi Okumak, Fotoğrafi Okumak, 2022

Other, Stochastic Light Beams in Free Space and Atmospheric Communications, TED UNIVERSITY, 2022

Vocational Training, What's new in SIMULIA CST Studio Suite 2022, CST Firm, 2022

New Service Design, CTL: Aday Öğrenci İletişim ve Tanıtım Faaliyetleri, TED UNIVERSITY, 2022

Personal Evolution, Elektronik Belge Yönetimi Sistemi (EBYS) , TED Üniversitesi, 2022

Personal Evolution, CTL : Bilim ve Teknolojide Kadının Gücü , TED UNIVERSITY, 2022

Education Management and Planning, CTL: Açık ve Uzaktan Öğrenme: Nedir? Neredeyiz? Neler Yapabiliriz?, TED Üniversitesi, 2022

Education Management and Planning, CTL: European Research Council (ERC) Hibeleri Bilgi Günü, TED Üniversitesi, 2022

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, 2015 - Continues

Academic and Administrative Experience

Y.Lisans Jüri üyesi, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, 2024 - Continues

Organization of works of Honor Students of EE Eng. Department, 2020 - Continues

Member of Credit Transfer Committee of Students to EE Department, 2020 - Continues

Member of committee of research assistant exam, 2019 - Continues

Faculty Board of Management, 2019 - Continues

Member of Engineering Faculty Board, 2019 - Continues

Member of Entrance Exam Committee of Mechatronics Master of Science, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, 2020 - 2023

Head of the Department, TED University, Faculty of Engineering, Dept.of Electric&Electronics Engineering, 2015 - 2021

Courses

Electromagnetic Theory I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Microwave Engineering, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Electromagnetic Theory II, Undergraduate, 2023 - 2024, 2021 - 2022
Antenna Engineering, Undergraduate, 2023 - 2024, 2016 - 2017, 2015 - 2016
Senior Project II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Summer Practice I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Applied Electromagnetics, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Master's Thesis II, Postgraduate, 2022 - 2023
Senior Project I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Summer Practice II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Electromagnetic Fields and Waves, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Circuit Theory I, Undergraduate, 2019 - 2020, 2018 - 2019
Electrical Circuits Laboratory, Undergraduate, 2019 - 2020, 2018 - 2019
Fundamentals of Electrical and Electronics Engineering, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Lineer Algebra and Differential Equations, Undergraduate, 2015 - 2016
Microwave Electronics, Undergraduate, 2015 - 2016
Communication Systems I, Undergraduate, 2014 - 2015
Vector and Complex Calculus, Undergraduate, 2014 - 2015

Advising Theses

Yazgan E., please see CV at "<https://avesis.tedu.edu.tr/erdem.yazgan>" for the other thesis, Postgraduate, P.and(Student), Continues
Yazgan E., Arıkan K. B., Fire detecting robot system with GSM technology, Postgraduate, E.Çoşkuner(Student), 2023
Yazgan E., DESIGN OF DUAL MODE DIELECTRIC RESONATOR (DR) FILTER, Doctorate, S.Ekici(Student), 2022
Arıkan K. B., Yazgan E., Cognitive Modelling and Analysis of Leader-Follower Modality Using Experimental Data, Postgraduate, Ö.Karaca(Student), 2022

Jury Memberships

Post Graduate, Post Graduate, Çankaya Üniversitesi, February, 2025
Post Graduate, Post Graduate, Gazi Üniversitesi, February, 2025
Post Graduate, Post Graduate, Çankaya Üniversitesi, February, 2025
Post Graduate, Post Graduate, Çankaya Üniversitesi, February, 2025
Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2025
Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2025
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2024

Post Graduate, Post Graduate, Çankaya Üniversitesi, November, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, September, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, July, 2024

Doctorate, Doctorate, Hacettepe Üniversitesi, July, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2024

Post Graduate, Post Graduate, Gazi Üniversitesi, June, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, May, 2024

Post Graduate, Post Graduate, Gazi Üniversitesi, April, 2024

Doctorate, Doctorate, Gazi Üniversitesi, April, 2024

Post Graduate, Post Graduate, Gazi Üniversitesi, March, 2024

Post Graduate, Post Graduate, Çankaya Üniversitesi, February, 2024

Doctorate, Doctorate, Gazi Üniversitesi, February, 2024

Post Graduate, Post Graduate, Hacettepe Üniversitesi, January, 2024

Post Graduate, Post Graduate, Gazi Üniversitesi, January, 2024

Doctorate, Doctorate, Hacettepe Üniversitesi, January, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, December, 2023

Post Graduate, Post Graduate, Gazi University, December, 2023

Post Graduate, Post Graduate, Gazi University, December, 2023

Post Graduate, Post Graduate, Gazi University, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, December, 2023

Doctorate, Doctorate, Gazi University, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, December, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, December, 2023

Doctoral Examination, Doctoral Examination, Gazi University, October, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, TED University, October, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, TED University, October, 2023

Post Graduate, Post Graduate, Çankaya Üniversitesi, September, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, July, 2023

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Gazi University, July, 2023

Post Graduate, Post Graduate, Gazi Üniversitesi, July, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, June, 2023

Post Graduate, Post Graduate, Hacettepe Üniversitesi, June, 2023

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi University, May, 2023

Doctoral Examination, Doctoral Examination, Gazi University, April, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship,

Iskenderun Technical University, March, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bahcesehir University, March, 2023

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, TED University, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Cankaya University, November, 2022

Doctorate, Doctorate, Hacettepe Üniversitesi, November, 2022

Post Graduate, Post Graduate, TED University, August, 2022

Post Graduate, Post Graduate, TED University, August, 2022

Award, FULBRIGHT TURKEY STUDENT CORE PROGRAM (SCP) MASTER'S & PHD GRANT, FULBRIGHT COMMISSION, June, 2022

Associate Professor Exam, Associate Professor Exam, Iskenderun Technical University, June, 2022

Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Ostim Technical University, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hacettepe University, May, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, TED University, April, 2022

Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Ostim Technical University, March, 2022

Associate Professor Exam, Associate Professor Exam, Kocaeli University, February, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kırgızistan-Türkiye Manas Üniversitesi, February, 2022

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Gazi University, January, 2022

Doctorate, Doctorate, Kirikkale University, January, 2022

September, 2021

September, 2021

June, 2021

June, 2021

June, 2021

May, 2021

May, 2021

April, 2021

April, 2021

April, 2021

April, 2021

April, 2021

March, 2021

March, 2021

March, 2021

19. TESİD 2020 YENİLİKÇİLİK-YARATICILIK ÖDÜLLERİ'nin değerlendirme Jüri Üyesi Grup I ve II, February, 2021

February, 2021

January, 2021

December, 2020

December, 2020

December, 2020

December, 2020

December, 2020

November, 2020
November, 2020
November, 2020
November, 2020
September, 2020
September, 2020
September, 2020
July, 2020
July, 2020
July, 2020
June, 2020
June, 2020
April, 2020
March, 2020
February, 2020
February, 2020
January, 2020
TESİD Yenilikçilik ve Yaratıcılık Ödülleri, TÜRKİYE ELEKTRONİK SANAYİCİLER DERNEĞİ İstanbul, January, 2020
December, 2019
October, 2019
July, 2019
June, 2019
TUBİTAK-Post-doctoral scholarship abroad selection jury, TUBİTAK, April, 2019
January, 2019
17.TESİD Yenilikçilik ve Yaratıcılık Ödülleri, January, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **BLOCKBOX: Blockchain based black box designing and modeling**
Korkuc C., Aytas Korkmaz N., Genc Y., Akkoc A., AFACAN E., Yazgan E.
Concurrency and Computation: Practice and Experience, vol.36, no.13, 2024 (SCI-Expanded)
- II. **A Deep Learning Application for Dolph-Tschebyscheff Antenna Array Optimisation**
Dikdere M. O., Genc Y., Korkuc C., Akkoc A., AFACAN E., Yazgan E.
Elektronika ir Elektrotehnika, vol.30, no.4, pp.19-25, 2024 (SCI-Expanded)
- III. **Time Invariant and Localized Secure Reception with Sequential Multi-Carrier Receive-FDA**
Akkoc A., Korkmaz N. A., Genc Y., AFACAN E., Yazgan E.
IEEE Transactions on Antennas and Propagation, vol.71, no.9, pp.7064-7072, 2023 (SCI-Expanded)
- IV. **ELCPAS: A new efficient lightweight certificateless conditional privacy preserving authentication scheme for IoV**
Genc Y., Aytas N., Akkoc A., AFACAN E., Yazgan E.
Vehicular Communications, vol.39, 2023 (SCI-Expanded)
- V. **A Novel Identity-Based Privacy-Preserving Anonymous Authentication Scheme for Vehicle-to-Vehicle Communication**
Genc Y., Korkuc C., Aytas N., AFACAN E., SAZLI M. H., Yazgan E.
Elektronika ir Elektrotehnika, vol.29, no.2, pp.69-77, 2023 (SCI-Expanded)
- VI. **Dual mode dielectric resonator filter with a new source coupling slot approach**
Ekici S., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.64, no.10, pp.1707-1712, 2022 (SCI-Expanded)
- VII. **A Compact Bandstop Filter Design Using DMS-DGS Technique for Radar Applications**
Dokmetas B., Arican G. O., Akçam N., Yazgan E.

APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.36, no.11, pp.1460-1467, 2021 (SCI-Expanded)

- VIII. **Dot-Shaped 3D Range-Angle Dependent Beamforming With Discular Frequency Diverse Array**
Akkoc A., AFACAN E., Yazgan E.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.69, no.10, pp.6500-6508, 2021 (SCI-Expanded)
- IX. **Ku-band GaAs mHEMT MMICandRFfront-end module for space applications**
Arıcan G. O., AKÇAM N., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.63, no.2, pp.417-425, 2021 (SCI-Expanded)
- X. **Dual mode filter with tunable cross Iris**
Ekici S., Yazgan E.
ELECTROMAGNETICS, vol.41, no.1, pp.1-9, 2021 (SCI-Expanded)
- XI. **Application of equivalent paraboloid antenna and equivalent feed methods for off-focus fed dual asymmetric reflectors**
Turgut G., Yazgan E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.4, pp.1929-1938, 2019 (SCI-Expanded)
- XII. **A folded leg Ka-band RF MEMS shunt switch with amorphous silicon (a-Si) sacrificial layer**
Demirel K., Yazgan E., DEMİR Ş., AKIN T.
MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS, vol.23, no.5, pp.1191-1200, 2017 (SCI-Expanded)
- XIII. **A New Temperature-Tolerant RF MEMS Switch Structure Design and Fabrication for Ka-Band Applications**
Demirel K., Yazgan E., DEMİR Ş., AKIN T.
JOURNAL OF MICROELECTROMECHANICAL SYSTEMS, vol.25, no.1, pp.60-68, 2016 (SCI-Expanded)
- XIV. **Cantilever type radio frequency microelectromechanical systems shunt capacitive switch design and fabrication**
Demirel K., Yazgan E., DEMİR Ş., AKIN T.
JOURNAL OF MICRO-NANOLITHOGRAPHY MEMS AND MOEMS, vol.14, no.3, 2015 (SCI-Expanded)
- XV. **On the Design and Performance Analysis of Low-Correlation Compact Space-Multimode Diversity Stacked Microstrip Antenna Arrays for MIMO-OFDM WLANs over Statistically-Clustered Indoor Radio Channels**
Savascıhabes A., ERTUĞ Ö., Yazgan E.
RADIOENGINEERING, vol.24, no.1, pp.54-63, 2015 (SCI-Expanded)
- XVI. **Analysis of Annular Ring Microstrip Antenna with Air Gap and Uniaxial Substrate Superstrate Layers**
GÜREL Ç. S., Yazgan E.
WIRELESS PERSONAL COMMUNICATIONS, vol.78, no.2, pp.1249-1255, 2014 (SCI-Expanded)
- XVII. **Receiver-aperture averaging of annular beams propagating through turbulent atmosphere**
Kamacıoğlu C., Baykal Y., Yazgan E.
OPTICAL ENGINEERING, vol.52, no.12, 2013 (SCI-Expanded)
- XVIII. **Averaging of receiver aperture for flat-topped incidence**
Kamacıoğlu C., Baykal Y., Yazgan E.
OPTICS AND LASER TECHNOLOGY, vol.52, pp.91-95, 2013 (SCI-Expanded)
- XIX. **SIMPLE ANALYTICAL CALCULATION APPROACH FOR INPUT IMPEDANCE OF PRINTED MONOPOLE AND DIPOLE ANTENNAS ON THIN SUBSTRATE**
Akan V., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.53, no.4, pp.827-830, 2011 (SCI-Expanded)
- XX. **New analytical input impedance calculation for fast design of printed narrow slot antenna**
Akan V., Yazgan E.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.98, no.9, pp.1229-1237, 2011 (SCI-Expanded)
- XXI. **RESONANCE IN MICROSTRIP RING RESONATOR WITH UNIAXIALLY ANISOTROPIC SUBSTRATE AND SUPERSTRATE LAYERS**

- GÜREL Ç. S., Yazgan E.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.24, no.8-9, pp.1135-1144, 2010 (SCI-Expanded)
- XXII. **Resonant frequency of air gap tuned circular microstrip antenna with anisotropic substrate and superstrate layers**
GÜREL Ç. S., Yazgan E.
Journal of Electromagnetic Waves and Applications, vol.24, no.13, pp.1731-1740, 2010 (SCI-Expanded)
- XXIII. **Conductor loss calculation of elliptical, cylindrical coplanar waveguides and coplanar waveguides with finite conductor thickness**
Duyar M., Akan V., Yazgan E., Bayrak M.
INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS, vol.29, no.3-4, pp.185-195, 2009 (SCI-Expanded)
- XXIV. **Computation and optimization of resonant frequency and input impedance of a coax-fed circular patch microstrip antenna**
GÜREL Ç. S., Aydın E., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.9, pp.2263-2267, 2007 (SCI-Expanded)
- XXV. **Analytical attenuation calculation of asymmetrical coplanar waveguide with finite-extent ground planes for coplanar waveguide mode**
Duyar M., Akan V., Yazgan E., Bayrak M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.9, pp.2082-2087, 2007 (SCI-Expanded)
- XXVI. **Two novel transmission lines with vertical conductors added to ground planes**
Duyar M., Akan V., Yazgan E., Bayrak M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.7, pp.1653-1656, 2007 (SCI-Expanded)
- XXVII. **Quasi-static solutions of elliptical, cylindrical-coupled parallel coplanar waveguide, and coupled parallel coplanar waveguide with finite ground planes**
Duyar M., Akan V., Yazgan E., Bayrak M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.7, pp.1702-1708, 2007 (SCI-Expanded)
- XXVIII. **New accurate analytical analyses of shielded planar transmission lines**
Duyar M., Akan V., Yazgan E., Bayrak M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.48, no.6, pp.1079-1085, 2006 (SCI-Expanded)
- XXIX. **Analyses of elliptical coplanar coupled waveguides and coplanar coupled waveguides with finite ground width**
Duyar M., Akan V., Yazgan E., Bayrak M.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.54, no.4, pp.1388-1395, 2006 (SCI-Expanded)
- XXX. **Quasistatic TEM analyses of elliptical, cylindrical, and asymmetric shielded striplines: Multilayered case**
Akan V., Yazgan E.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.16, no.2, pp.181-191, 2006 (SCI-Expanded)
- XXXI. **Quasi-static solutions of multilayer elliptical, cylindrical coplanar striplines and multilayer coplanar striplines with finite dielectric dimensions - Asymmetrical case**
Akan V., Yazgan E.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.53, no.12, pp.3681-3686, 2005 (SCI-Expanded)
- XXXII. **Three-dimensional equivalent focused feed for an offset paraboloidal reflector antenna**
Yazgan E., Turgut-Sansal G.
ELECTROMAGNETICS, vol.24, no.8, pp.597-605, 2004 (SCI-Expanded)
- XXXIII. **Characteristics of a circular patch microstrip antenna on uniaxially anisotropic substrate**
GÜREL Ç. S., Yazgan E.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.52, no.10, pp.2532-2537, 2004 (SCI-Expanded)

- XXXIV. **Quasistatic TEM characteristics of multilayer elliptical and cylindrical coplanar waveguides**
Akan V., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.42, no.4, pp.317-322, 2004 (SCI-Expanded)
- XXXV. **A simple formulation for quasistatic solutions of elliptical, cylindrical and asymmetrical coplanar strip lines**
Akan V., Yazgan E.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.41, no.1, pp.18-21, 2004 (SCI-Expanded)
- XXXVI. **Limit and application range of the slope-diffraction method for wireless communications**
Kara A., Bertoni H., Yazgan E.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.51, no.9, pp.2512-2514, 2003 (SCI-Expanded)
- XXXVII. **Roof shape modelling for multiple diffraction loss in cellular mobile communication systems**
Kara A., Yazgan E.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.89, no.10, pp.753-758, 2002 (SCI-Expanded)
- XXXVIII. **Quasi-static analysis and determination of parameters of open and shielded three-layer microstrip lines**
Zor A., Yazgan E.
ELECTROMAGNETICS, vol.22, no.1, pp.1-13, 2002 (SCI-Expanded)
- XXXIX. **The improvement in the terrain model for a target close to an obstacle**
AFACAN E., Yazgan E.
ELECTROMAGNETICS, vol.21, no.4, pp.295-306, 2001 (SCI-Expanded)
- XL. **Compensation of superstrate effects on the resonant behavior of the microstrip ring structure by using an air-cap control**
GÜREL Ç. S., Yazgan E.
IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, vol.43, no.2, pp.219-223, 2001 (SCI-Expanded)
- XLI. **Simple determination of effective permittivity and resonant frequency of a microstrip ring antenna including air gap**
GÜREL Ç. S., Yazgan E.
AEU-Archiv für Elektronik und Übertragungstechnik, vol.54, no.4, pp.238-240, 2000 (SCI-Expanded)
- XLII. **Resonant frequency of an air gap tuned circular disc microstrip antenna**
GÜREL Ç. S., Yazgan E.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.87, no.8, pp.973-979, 2000 (SCI-Expanded)
- XLIII. **New computation of the resonant frequency of a tunable equilateral triangular microstrip patch**
Gurel C., Yazgan E.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.48, no.3, pp.334-338, 2000 (SCI-Expanded)
- XLIV. **New determination of dynamic permittivity and resonant frequency of tunable circular disk microstrip structures**
GÜREL Ç. S., Yazgan E.
International Journal of RF and Microwave Computer-Aided Engineering, vol.10, no.2, pp.120-126, 2000 (SCI-Expanded)
- XLV. **Tunable resonance in a superstrate-loaded lossy circular disk microstrip structure**
GÜREL Ç. S., Yazgan E.
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TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TED University, Turkey, January 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TED University, Turkey, December 2022

ENTROPY, Journal Indexed in SCI-E, November 2022

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, November 2022

ELECTRONICS , Journal Indexed in SCI-E, October 2022

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, October 2022

SENSORS, Journal Indexed in SCI-E, September 2022

PROGRESS IN ELECTROMAGNETICS RESEARCH, Journal Indexed in SCI-E, August 2022

IET SIGNAL PROCESSING, SCI Journal, August 2022
OPTICAL ENGINEERING, SCI Journal, July 2022
PROGRESS IN ELECTROMAGNETICS RESEARCH, Journal Indexed in SCI-E, June 2022
TUBITAK Project, 1511 - TUBITAK Priority Fields Research Technology Development and Innovation PDP, TED University, Turkey, June 2022
TUBITAK Project, 3501 - National Young Researcher Career Development Program, TED University, Turkey, June 2022
PROGRESS IN ELECTROMAGNETICS RESEARCH, Journal Indexed in SCI-E, May 2022
PROGRESS IN ELECTROMAGNETICS RESEARCH, Journal Indexed in SCI-E, April 2022
Industrial Thesis Project, RST, Turkey, April 2022
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, SCI Journal, March 2022
IEEE SIGNAL PROCESSING LETTERS, Journal Indexed in SCI-E, February 2022
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, SCI Journal, February 2022
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, National Scientific Refreed Journal, February 2022
Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2022
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, January 2022
Progress in Electromagnetics Research (PIER), Journal Indexed in SCI-E, November 2021
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, September 2021
IEEE MTT Microwave Theory and Techniques, September 2021
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, August 2021
ACES Journal-The Applied Computational Electromagnetics Society Journal (ACES), August 2021
IEEE MTT Transactions on Microwave Theory and Techniques, August 2021
ASYU 2021 Conference Reviewer- 2 papers, August 2021
Progress in Electromagnetics Research (PIER) - Reviewer, Journal Indexed in SCI-E, June 2021
Progress in Electromagnetics Research (PIER), June 2021
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, May 2021
URSI 2021 Conf Review 3 papers, May 2021
Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, April 2021
Progress in Electromagnetics Research (PIER), April 2021
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, April 2021
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, March 2021
Progress in Electromagnetics Research (PIER), January 2021
International Advanced Researches and Engineering Journal, November 2020
ACES_Journal_20201017 USA, October 2020
Proceedings of SPIE - The International Society for Optical Engineering, October 2020
IEEE ACCESS, September 2020
Pamukkale University Journal of Engineering Sciences (PAJES), July 2020
Progress in Electromagnetics Research - PIER Journals - 7 Articles, July 2020
Progress in Electromagnetics Research - PIER Journals, June 2020
ACES Journal -USA, May 2020
IET SIGNAL PROCESSING, May 2020
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, April 2020
OPTICAL ENGINEERING The International Society for Optical Engineering, January 2020
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, October 2019
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, July 2019
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, May 2019
Progress in Electromagnetics Research (PIER), April 2019

Scientific Consultations

Fulbrigh, Scientific Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2024 - Continues

TÜBİTAK-EEEAG-1001, Project Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2023 - Continues

TÜBİTAK-EEEAG-1001, Project Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2023 - Continues

TÜBİTAK-TEYDEB, Project Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2023 - Continues

Elektrik Mühendisliği Odası Danışma Kurulu, Scientific Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2022 - Continues

TUBİTAK-ARDEB-UPAG, Project Consultancy, TED University, Turkey, 2020 - Continues

TUBİTAK-TEYDEB, Project Consultancy, TED University, Faculty Of Engineering, Dept.Of Electric&Electronics Engineering, Turkey, 2019 - 2024

Fulbright, Project Consultancy, TED University, Turkey, 2022 - 2023

TÜBİTAK - EEEAG, Project Consultancy, TED University, Turkey, 2022 - 2023

Fulbrigh, Project Consultancy, TED University, Turkey, 2022 - 2022

Assessment of the WURI (World's Universities with Real Impacts) 2022 Ranking applications. (WURIIA060) Vertical Sewage Treatment Plant, Project Consultancy, TED University, Turkey, 2022 - 2022

Assessment of the WURI (World's Universities with Real Impacts) 2022 Ranking applications for seven projects WURIIA Codes 058-064 ; (WURIIA058) Design optimization of oil bath in C-arm type X-Ray Machine, Project Consultancy, TED University, Turkey, 2022 - 2022

Assessment of the WURI (World's Universities with Real Impacts) 2022 Ranking applications. (WURIIA059)

Vishwakarma University Energy and Sustainability Centre of Excellence, Project Consultancy, TED University, Turkey, 2022 - 2022

Tasks In Event Organizations

Yazgan E., ELECO 2022 - Chair for Electromagnetics and Microwave Techniques- Sesions 3, Scientific Congress, Turkey, Kasım 2022

Yazgan E., ELECO 2022 Elektrik – Elektronik ve Biyomedikal Mühendisliği Konferansı, Scientific Congress, Turkey, Kasım 2022

Yazgan E., ASYU 2022: Innovations in Intelligent Systems and Applications Conference , Reviews of 8 papers, Scientific Congress, Antalya, Turkey, Eylül 2022

Yazgan E., IEEE INISTA 2022 conference Technical Prog. Committe Member , Scientific Congress, France, Ağustos 2022

Yazgan E., EUCAP 2022 The European Conference on Antennas and Propagation -Reviewer for 5 papers, Scientific Congress, Spain, Nisan 2022

YAZGAN E., ELECO 2021 - Chair for Electromagnetics Sesions 9 and 12, Kasım 2021

YAZGAN E., 13th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING Bursa, Turkey, 25-27 November 2021, Kasım 2021

YAZGAN E., ASYU 2021: Innovations in Intelligent Systems and Applications Conference, Elazığ, Turkey, Ekim 2021

YAZGAN E., İBK 2021 Orginazation and Technical Program Committe Member, Eylül 2021

YAZGAN E., URSI 2021 conference Technical Prog. Committe Member, Kocaeli, Turkey, Eylül 2021

YAZGAN E., IEEE INISTA 2021 conference Technical Prog. Committe Member, Temmuz 2021

YAZGAN E., İlk Bildiriler Konferansı 2021, Ankara, Turkey, Temmuz 2021

YAZGAN E., EMO İBK 2021 Reviewer for 3 papers, Haziran 2021
YAZGAN E., INISTA 2021 - Review for 2 papers, Haziran 2021
YAZGAN E., EUCAP 2021 The European Conference on Antennas and Propagation; 2021, Düsseldorf, Germany, Mart 2021
YAZGAN E., TEYDEB' de görev alan değerlendiricilere yönelik "Hakem/İzleyici Bilgilendirme, Mart 2021
YAZGAN E., EEMKON 2020 Organization committee member, Kasım 2020
YAZGAN E., ELECO 2020, Kasım 2020
YAZGAN E., ASYU 2020- (Akıllı Sistemlerde Yenilikler ve Uygulamaları Konferansı), Ekim 2020
YAZGAN E., SIU-2020 28. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Nisan 2020
YAZGAN E., EUCAP 2020 The European Conference on Antennas and Propagation, Mart 2020
Yazgan E., EEMKON 2019 Organization committee member, Scientific Congress, Turkey, Kasım 2019
Yazgan E., ASYU 2019-2023, Scientific Congress, Sivas, Turkey, Kasım 2019
YAZGAN E., HAVELSAN- SANAYİ-ÜNİVERSİTE İş Birliği Toplantısı, Ekim 2019

Scientific Research / Working Group Memberships

Ee491-02, TED University, Turkey, TEDUEE Eng, 2024 - Continues
Planning of EE Department Courses for Spring and Fall, 2020 - Continues
Preparing Entrance Exams For Research & Teaching Assistants, TED University, Turkey, www.tedu.ee.edu.tr, 2015 - 2024
Member Of The Jury Of Entrance Exams Msc. Students İn Mechatronics Eng, TED University, Turkey, www.tedu.mechatronics, 2020 - 2023
Hacettepe University Bap-Project Report; Destek: Siox İnce Filmlerde Nd: Yag Darbeli Lazer İle Nanokristal Silikon Oluşumu No:012 D11 602 001-42, Hacettepe University, Turkey, www.hacettepeuniversitesi.fen.bil.enst, 2020 - 2023
Msc Thesis Monitoring For Onay Karaca, TED University, Turkey, www.tedu.mece.edu.tr, 2021 - 2022
Mechatronics Engineering Msc Thesis For A Student (Onay Karaca), TED University, Turkey, Mechatronics Eng, 2019 - 2022
EE491- Project on Forest Fire Finding Drone Design, 2020 - 2021
DIGILENT Analog Discovery 2 boards - Marketing Research, 2020 - 2020
Planning of Offered Courses for Spring 2021 Semester, 2020 - 2020
Planning of Offered Courses for Fall 2020 Semester, 2020 - 2020
Planning of Offered Courses for Fall 2020 Semester, 2020 - 2020
Preparing Entrance Exams for Assistants, 2020 - 2020
Preparing Entrance Exams for Research & Teaching Assistants, 2020 - 2020

Congress and Symposium Activities

14th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Working Group, Bursa, Turkey, 2023
14th INTERNATIONAL CONFERENCE on ELECTRICAL and ELECTRONICS ENGINEERING, Working Group, Bursa, Turkey, 2023
ASYU 2023 @ Sivas Innovations in Intelligent Systems and Applications Conference, Session Moderator, Sivas, Turkey, 2023
INISTA-23, Working Group, Tunis, Tunisia, 2023
URSI-2023--XI. URSI-TÜRKİYE 2023 BİLİMSEL KONGRESİ, Working Group, İstanbul, Turkey, 2023
SIU 23-31. IEEE Conference On Signal Processing and Communications Applications, Working Group, İstanbul, Turkey, 2023
ELECO 22, Session Moderator, Bursa, Turkey, 2022
INISTA 2022-International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Working Group,

Anglet, France, 2022

SIU 2022 30. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI 16-18 Mayıs 2022 Safranbolu / Türkiye,
Working Group, Sakarya, Turkey, 2022

The European Conference on Antennas and Propagation (EUCAP) 2022, Working Group, Madrid, Spain, 2022

Scholarships

NATO- ASI, NATO, 2001 - 2001

British Council Research , British Council, 2000 - 2000

Fulbright Research Award in USA, Fulbright Program, 1993 - 1994

Awards

Yazgan E., TUBITAK Academic Publication Award; TED University, Ankara, Turkey , Tübitak, November 2023

Yazgan E., TEDU publication award 2023 for two publications, Ted University, September 2023

Yazgan E., TEDU publication award 2022 for two publications, Ted University, September 2022

Yazgan E., TÜBİTAK Publication Award , Tübitak , July 2022

YAZGAN E., TUBITAK Academic Publication Award; TED University, Ankara, Turkey, ULAKBİM, November 2021

YAZGAN E., TEDU Academic Publication Award; TED University, Ankara, Turkey for "Dual mode filter with tunable cross
Iris, September 2021

YAZGAN E., TEDU Academic Publication Award; TED University, Ankara, Turkey for "Ku-band GaAs mHEMT MMIC and
RF front-end module for space applications", TEDU, February 2021

YAZGAN E., TEDU Academic Publication Award; TED University, Ankara, Turkey for "Dot-Shaped 3D Range-Angle
Dependent Beamforming with Disclular Frequency Diverse Array", August 2020

YAZGAN E., Publication Award of TUBITAK -UBYT, June 2020

YAZGAN E., TEDU Academic Publication Award; TED University, Ankara, Turkey, August 2019

YAZGAN E., TED Paper Publication Award, July 2019

YAZGAN E., OUTSTANDING PAPER AWARD, Electronic Design Innovation Conferenc 2018 USA, October 2018

YAZGAN E., 2018 EDICON Outstanding Paper Award for "Tuning Optimization Approaches for Digitally Controlled
Tunable Filters", Electronic Design Innovation Conference and Exhibition Santa Clara LA USA, October 2018

YAZGAN E., Hacettepe University Development Foundation Science Award, Hacettepe Üniversitesi, February 1999

YAZGAN E., Scholarships for paper publication, January 1998

YAZGAN E., Hacettepe Üniversitesi Geliştirme Vakfı Fen Bilimleri Araştırma Birincilik Ödülü, January 1997

YAZGAN E., • International Armed Forces Electronics and Communication Association Honour Certificate, • International
Armed Forces Electronics and Communication Association, February 1995

YAZGAN E., International Armed Forces Electronics and Communication Association Honour Certificate (1995), January
1995

YAZGAN E., • Fulbright Research Award in USA, • Fulbright Research Award, February 1993

YAZGAN E., • Turkish Standardisation Institute Award, • Turkish Standardisation Institute, May 1992

YAZGAN E., • British Council Research Scholarship, British Council, April 1992

YAZGAN E., • Science and Encouragement Award of Prof. Dr. Mustafa Parlar Education and Research Foundation, •
Award of Prof. Dr. Mustafa Parlar Education and Research Foundation, February 1992

YAZGAN E., Türk Standartları Enstitüsü Hizmet Ödülü, January 1992

YAZGAN E., Prof. Dr. Mustafa Parlar Eğitim ve Araştırma Vakfı Bilim ve Teşvik Ödülü, January 1992

YAZGAN E., British Council Research Scholarship, 1992,1999, January 1992