Assoc. Prof. ÖZGE YANAZ ÇINAR

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAG-8297-2020
ScopusID: 56305931900
Yoksis Researcher ID: 49672

Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2005 - 2009
Postgraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, Turkey 1999 - 2002
Undergraduate, Istanbul University, Faculty Of Science, Department Of Mathematics, Turkey 1993 - 1997

Dissertations

Doctorate, İç yüzeyi farklı iki yutucu malzemeyle kaplı sonsuz bir boru içerisine yerleştirilmiş akışkanlı yarı sonsuz bir borudan ses yayılımı, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik (Dr), 2009
Postgraduate, Doğrusal olmayan dalga denklemlerinin chebyshev polinomu ile nümerik çözümü, Kocaeli University, Fen Bilimleri Enstitüsü, Matematik Anabilim Dalı, 2002

Research Areas

Electromagnetic Waves, Antennas and Propagation, Differential Equations, Fourier Analysis, Functions of a Complex Variable

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2018 - Continues
Assistant Professor, Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği Bölümü, 2015 - 2018
Lecturer, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Matematik Bölümü, 2006 - 2015
Lecturer, Kocaeli University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2003 - 2006
Research Assistant, Kocaeli University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2001 - 2003

Courses

Calculus II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Calculus I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
Analytical Methods in Electromagnetic Theory, Postgraduate, 2019 - 2020, 2018 - 2019
Engineering Mathematics I, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
Engineering Mathematics II, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016
Diffraction Theory, Doctorate, 2014 - 2015

Advising Theses

Yanaz Çınar Ö., Akustik Kanallarda Dikey Ayırıcıların Yansıma ve İletime Etkisi, Doctorate, İ.KOÇ(Student), Continues
Yanaz Çınar Ö., Paralel Plakalı Dalga Kılavuzunda Alan Genişlemeli Filtrenin Mod-Uydurma Yöntemi ile Analizi, Postgraduate, D.WAHIDALDEEN(Student), 2021
Yanaz Çınar Ö., Milimetrik Dalgalar için Holografik Antenler, Postgraduate, T.ASLAN(Student), 2021
Yanaz Çınar Ö., Mode Matching Analysis of an Area Contraction Filter in a Parallel Plate Waveguide, Postgraduate, A.TUĞÇE(Student), 2021
Yanaz Çınar Ö., Ani Alan Genişlemeli Bir Boruda Düzlemsel Akustik Dalgaların Yayılımının Mod-Uydurma ile Analizi, Postgraduate, İ.KOÇ(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. **RIGOROUS ANALYSIS OF TM WAVE SCATTERING BY A LARGE CIRCUMFERENTIAL GAP ON A DIELECTRIC-FILLED CIRCULAR WAVEGUIDE**
ÖZTÜRK H., ÇINAR G., YANAZ ÇINAR Ö.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.80, no.2, pp.301-310, 2018 (SCI-Expanded)

II. **Sudden area expansion in ducts with flow - A comparison between cylindrical and rectangular modelling**
YANAZ ÇINAR Ö., Boij S., ÇINAR G., Nilsson B.
JOURNAL OF SOUND AND VIBRATION, vol.396, pp.307-324, 2017 (SCI-Expanded)

III. **TEM wave radiation from a dielectric-filled coaxial waveguide with a large circumferential gap on its outer wall**
Ozturk H., ÇINAR G., YANAZ ÇINAR Ö.
ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND PHYSIK, vol.66, no.4, pp.1299-1313, 2015 (SCI-Expanded)

IV. **Scattering of plane acoustic waves by a circular semi-infinite pipe with a rigid end face placed axially in an infinite circular duct**
YANAZ ÇINAR Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.93, no.12, pp.963-976, 2013 (SCI-Expanded)

V. **Reflection and transmission of plane acoustic waves in an infinite annular duct with a finite gap on the inner wall**
Cinar G., Ozturk H., YANAZ ÇINAR Ö.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.34, no.2, pp.220-230, 2011 (SCI-Expanded)

VI. **Propagation of sound in an infinite two-part duct carrying mean flow inserted axially into a larger infinite duct with wall impedance discontinuity**
Demir A., Cinar Ö.
ZAMM-ZEITSCHRIFT FUR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.89, no.6, pp.454-465, 2009 (SCI-Expanded)

Articles Published in Other Journals

I. **Rigorous Analysis of a 26-GHz hybrid SIW coupler with Mode Matching Technique**
MATAR M. A. I., ÇINAR G., YANAZ ÇINAR Ö.
Journal of Engineering Research and Reports, vol.22, no.12, pp.56-66, 2022 (Peer-Reviewed Journal)

II. **Analysis of SIW Crossover for 5G Beamforming Network Applications**
Matar M. A. I., Çınar G., Yanaz Çınar Ö.
International Journal of Engineering and Technology, vol.11, no.1, pp.50-58, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **A Low Pass Filter Design in Circular Acoustic Ducts**
Koç İ., Yanaz Çınar Ö., Çınar G.
3rd International Congress of Engineering and Natural Sciences Studies, Ankara, Turkey, 24 - 25 May 2023, pp.111

II. **Analysis of Two Successive Expansion Chambers in a Circular Duct**
Koç İ., Yanaz Çınar Ö., Çınar G.
9th International Congress on Engineering and Technology, İstanbul, Turkey, 29 April - 01 May 2023, pp.485-492

III. **TE Wave Propagation along a Circular Waveguide with a Finite Impedance Wall**
ÇINAR G., YANAZ ÇINAR Ö., MATAR M. A. I.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022

IV. **Semi-infinite Jet Pipe Problem Revisited**
YANAZ ÇINAR Ö., ÇINAR G.
5. International Conference on Life and Engineering Sciences (ICOLES 2022), Antalya, Turkey, 19 May 2022

V. **Analysis of SIW Phase Shifter Types with Mode Matching Technique (MMT)**
Matar M. A., ÇINAR G., YANAZ ÇINAR Ö.
International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications (ICRAMET) - Emerging Science and Industrial Innovation in Electronics and Telecommunication, ELECTR NETWORK, 6 - 07 December 2022, pp.16-19

VI. **Holographic antenna design for millimeter waves**
YANAZ ÇINAR Ö., ASLAN T.
VI. International Scientific and Vocational Studies Congress – Engineering (BILMES EN 2021), Turkey, 23 December 2021

VII. **Mode matching analysis of TEM wave reflection by a junction of perfectly conducting and impedance coaxial waveguides**
YANAZ ÇINAR Ö., ÇINAR G., AKŞİMŞEK H. S.
Progress In Electromagnetics Research Symposium (PIERS) 2015, PRAG, Czech Republic, 6 - 09 July 2015

VIII. **Wiener Hopf analysis of TM wave reflection by a step discontinuity on the junction of two coaxial waveguides with perfectly conducting and impedance walls**
ÇINAR G., AKŞİMŞEK H. S., NILSSON B., NORDEBO S., YANAZ ÇINAR Ö.
Progress In Electromagnetics Research Symposium (PIERS) 2015, PRAG, Czech Republic, 6 - 09 July 2015

IX. **Reflection of TEM waves by a step discontinuity on the inner wall of a coaxial waveguide**
ÇINAR G., AKŞİMŞEK H. S., NILSSON B., NORDEBO S., YANAZ ÇINAR Ö.
34th Progress In Electromagnetics Research Symposium, Stockholm, Sweden, 12 - 15 August 2013

X. **Scattering of sound waves at an area expansion in a cylindrical flow duct**
BOIJ S., YANAZ ÇINAR Ö., ÇINAR G., NILSSON B.
21st International Congress on Acoustics, Montreal, Canada, 2 - 07 June 2013

XI. **Radiation characteristics of a dielectric filled circular waveguide with a large circumferential gap**
ÖZTÜRK H., ÇINAR G., YANAZ ÇINAR Ö.
International Conference on Applied Analysis and Mathematical Modeling 2013, İstanbul, Turkey, 2 - 05 June 2013

XII. **Asymptotic methods for long distance monitoring of power cables**

NILSSON B., ÇINAR G., NORDEBO S., YANAZ ÇINAR Ö.
The 6th International Conference "Inverse Problems: Modeling and Simulation", Antalya, Turkey, 21 - 26 May 2012

XIII. **Jet pipe reflections Influence of geometrical and flow exit conditions**
YANAZ ÇINAR Ö., BOIJ S., ÇINAR G., NILSSON B.
16th AIAA/CEAS Aeroacoustics Conference, Stockholm, Sweden, 7 - 09 June 2010

Supported Projects

ÇINAR G., ODABAŞI H., YANAZ ÇINAR Ö., Project Supported by Higher Education Institutions, 26 GHz Frekansında 5G Sistemleri için Substrat Tümleşik Dalga Kılavuzları ile 4x4 Butler Matrisi Hüzme Şekillendirme Ağı, 2022 - 2023
Çınar G., Yanaz Çınar Ö., Project Supported by Higher Education Institutions, Empedans Yüzey Modeli ile Çok-Katmanlı Kaplamaya Sahip Bazı Dalga Kılavuzlarının Analizi, 2019 - 2022
Yanaz Çınar Ö., Çınar G., Project Supported by Higher Education Institutions, Yeni Bir Genelleştirilmiş Kayma Tabakası Modeli Geliştirilmesi ve İki Kanonik Jet BorusuUygulamasına Etkisi, 2019 - 2022

Metrics

Publication: 21
Citation (WoS): 24
Citation (Scopus): 24
H-Index (WoS): 3
H-Index (Scopus): 3