

Prof. CELAL YILDIZ

Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 32275

Email: yildizc@erciyes.edu.tr

Web: <https://avesis.erciyes.edu.tr/yildizc/>

International Researcher IDs

ORCID: 0000-0003-3369-4777

Publons / Web Of Science ResearcherID: AAS-9167-2021

ScopusID: 35576957100

Yoksis Researcher ID: 143664

Education Information

Doctorate, Erciyes University, Fen Bilimleri Ens., Elektronik , Turkey 1988 - 1992

Postgraduate, Istanbul Technical University, Fen Bilimleri Ens., Elektronik Hab., Turkey 1985 - 1988

Undergraduate, Erciyes University, Müh.Fak, Elektronik Müh., Turkey 1978 - 1982

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, 4 - N, N - Dimethylamino 3 - Acetamidonitrobenzene (DAN) Çekirdekli Optik Fiber Yapıda İkinci Harmonik Üretim Veriminin Analizi , Erciyes Üniversitesi, Fen Bilimleri Ens., Elektronik Müh., 1992

Postgraduate, Bir yüzü mükemmel elektrik iletken diğer yüzü mükemmel magnetik iletken şeritten saçılma, İstanbul Teknik Üniversitesi, Fen Bilimleri Ens., Elektronik Hab., 1988

Research Areas

Electrical and Electronics Engineering, Electronic, Microwave Circuits, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Müh. Fak., Elk-Eln. Müh., 2010 - Continues

Associate Professor, Erciyes University, Müh.Fak., Elek-Eln Müh. , 2005 - 2010

Assistant Professor, Erciyes University, Müh.Fak, Elektronik Müh., 1993 - 2005

Research Assistant, Erciyes University, Müh.Fak., Elektronik Müh., 1984 - 1993

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Closed-form design equations for asymmetric coplanar strip line with an infinitely wide strip**
YILDIZ C., Kisioglu H., ÖZTÜRK C.
ELECTROMAGNETICS, vol.37, no.6, pp.411-421, 2017 (SCI-Expanded)
- II. **Very simple synthesis formulas for microcoplanar striplines**
YILDIZ C., Kisioglu H.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.55, no.3, pp.615-619, 2013 (SCI-Expanded)
- III. **ANFIS MODELS FOR SYNTHESIS OF OPEN SUPPORTED COPLANAR WAVEGUIDES**
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.
NEURAL NETWORK WORLD, vol.23, no.6, pp.553-569, 2013 (SCI-Expanded)
- IV. **ANFIS models for synthesis of micro-coplanar stripline and asymmetric coplanar stripline with an infinitely wide strip**
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.54, no.2, pp.460-467, 2012 (SCI-Expanded)
- V. **NEW AND ACCURATE SYNTHESIS FORMULAS FOR ASYMMETRIC CONDUCTOR-BACKED COPLANAR WAVEGUIDES**
KAYA S., Guney K., YILDIZ C., TÜRKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.53, no.1, pp.211-216, 2011 (SCI-Expanded)
- VI. **ANFIS MODELS FOR THE QUASISTATIC ANALYSIS OF COPLANAR STRIP LINE STRUCTURES**
TÜRKMEN M., YILDIZ C., Guney K., Kaya S.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.52, no.9, pp.1990-1996, 2010 (SCI-Expanded)
- VII. **NEW AND ACCURATE SYNTHESIS FORMULAS FOR OPEN SUPPORTED COPLANAR WAVEGUIDES**
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.52, no.2, pp.262-269, 2010 (SCI-Expanded)
- VIII. **ADAPTIVE-NETWORK-BASED FUZZY INFERENCE SYSTEM MODELS FOR COMPUTING THE CHARACTERISTIC IMPEDANCES OF AIR-SUSPENDED TRAPEZOIDAL AND RECTANGULAR-SHAPED MICROSIELD LINES**
TÜRKMEN M., YILDIZ C., Guney K., Kaya S.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.52, no.1, pp.20-24, 2010 (SCI-Expanded)
- IX. **Comparison of adaptive-network-based fuzzy inference system models for analysis of conductor-backed asymmetric coplanar waveguides**
TÜRKMEN M., YILDIZ C., GÜNEY K., KAYA S.
Progress In Electromagnetics Research M, vol.8, pp.1-13, 2009 (SCI-Expanded)
- X. **Accurate synthesis formulas obtained by using a differential evolution algorithm for conductor-backed coplanar waveguides**
KAYA S., GÜNEY K., YILDIZ C., TÜRKMEN M.
Progress In Electromagnetics Research M, vol.10, pp.71-81, 2009 (SCI-Expanded)
- XI. **ANALYSIS OF CONDUCTOR-BACKED COPLANAR WAVEGUIDES USING ADAPTIVE-NETWORK-BASED FUZZY INFERENCE SYSTEM MODELS**
YILDIZ C., Guney K., TÜRKMEN M., Kaya S.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.51, no.2, pp.439-445, 2009 (SCI-Expanded)
- XII. **New and Accurate Synthesis Formulas for Asymmetric Coplanar Stripline with an Infinitely Wide Strip**
Guney K., YILDIZ C., KAYA S., TÜRKMEN M.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, vol.30, no.2, pp.109-116, 2009 (SCI-Expanded)
- XIII. **Synthesis formulas for microcoplanar striplines**

- Guney K., YILDIZ C., Kaya S., TÜRKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.11, pp.2884-2888, 2008 (SCI-Expanded)
- XIV. **Adaptive neuro-fuzzy models for the quasi-static analysis of microstrip line**
YILDIZ C., Guney K., TÜRKMEN M., Kaya S.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.5, pp.1191-1196, 2008 (SCI-Expanded)
- XV. **Synthesis formulas for conductor-backed coplanar waveguide**
YILDIZ C., TÜRKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.50, no.4, pp.1115-1117, 2008 (SCI-Expanded)
- XVI. **Accurate and simple synthesis formulas for coplanar waveguides**
Akdagli A., TÜRKMEN M., YILDIZ C.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.18, no.2, pp.112-117, 2008 (SCI-Expanded)
- XVII. **ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM FOR THE COMPUTATION OF THE CHARACTERISTIC IMPEDANCE AND THE EFFECTIVE PERMITTIVITY OF THE MICRO-COPLANAR STRIP LINE**
Sarıkaya N., Güney K., Yildiz C.
Progress In Electromagnetics Research B, vol.6, pp.225-237, 2008 (SCI-Expanded)
- XVIII. **Synthesis formulas for multilayer homogeneous coupling structure with ground shielding**
Guney K., YILDIZ C., KAYA S., TÜRKMEN M.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.21, no.14, pp.2073-2084, 2007 (SCI-Expanded)
- XIX. **New and accurate synthesis formulas for multilayer homogeneous coupling structure**
Guney K., Yildiz C., Kaya S., Turkmen M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.10, pp.2486-2489, 2007 (SCI-Expanded)
- XX. **Neural models for the V-shaped conductor-backed coplanar waveguides**
Guney K., Yildiz C., Kaya S., Turkmen M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.49, no.6, pp.1294-1299, 2007 (SCI-Expanded)
- XXI. **Neural models for coplanar strip line synthesis**
Yildiz C., Guney K., Turkmen M., Kaya S.
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, vol.69, pp.127-144, 2007 (SCI-Expanded)
- XXII. **Neural models for quasi-static analysis of conventional and supported coplanar waveguides**
Yildiz C., Guney K., Turkmen M., Kaya S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.61, no.8, pp.521-527, 2007 (SCI-Expanded)
- XXIII. **Neural models for the broadside-coupled V-shaped microshield coplanar waveguides**
Guney K., Yildiz C., Kaya S., Turkmen M.
International Journal of Infrared and Millimeter Waves, vol.27, no.9, pp.1241-1255, 2006 (SCI-Expanded)
- XXIV. **Simple and accurate synthesis formulas obtained by using a differential evolution algorithm for coplanar strip lines**
Yildiz C., AKDAGLI A., TURKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.48, no.6, pp.1133-1137, 2006 (SCI-Expanded)
- XXV. **Artificial neural networks for calculating the characteristic impedance of air-suspended trapezoidal and rectangular-shaped microshield lines**
Guney K., Yildiz C., Kaya S., Turkmen M.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.20, no.9, pp.1161-1174, 2006 (SCI-Expanded)
- XXVI. **Very accurate and simple CAD models based on neural networks for coplanar waveguide synthesis**
Yildiz C., TURKMEN M.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.15, no.2, pp.218-224, 2005 (SCI-Expanded)
- XXVII. **New and very simple synthesis formulas for coplanar strip line**
Yildiz C.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.44, no.2, pp.199-202, 2005 (SCI-Expanded)
- XXVIII. **Neural analysis of top shielded multilayered coplanar waveguides**

- TÜRKMEN M., YILDIZ C., SAĞIROĞLU Ş.
 Turkish Journal of Electrical Engineering and Computer Sciences, vol.12, no.1, pp.1-10, 2004 (SCI-Expanded)
- XXIX. **New and very simple CAD models for coplanar waveguide synthesis**
 Yildiz C., TURKMEN M.
 MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.41, no.1, pp.49-53, 2004 (SCI-Expanded)
- XXX. **Neural model for coplanar waveguide sandwiched between two dielectric substrates**
 Yildiz C., Sagiroglu S., TURKMEN M.
 IEE PROCEEDINGS-MICROWAVES ANTENNAS AND PROPAGATION, vol.151, no.1, pp.7-12, 2004 (SCI-Expanded)
- XXXI. **A CAD approach based on artificial neural networks for shielded multilayered coplanar waveguides**
 Yildiz C., TURKMEN M.
 AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.58, no.4, pp.284-292, 2004 (SCI-Expanded)
- XXXII. **Simple models based on neural networks for suspended and inverted microstrip lines**
 Yildiz C., Saracoglu O.
 MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.39, no.5, pp.383-389, 2003 (SCI-Expanded)
- XXXIII. **Neural models for coplanar waveguides with a finite dielectric thickness**
 Yildiz C., SAGIROGLU S., Saracoglu O.
 INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.13, no.6, pp.438-446, 2003 (SCI-Expanded)
- XXXIV. **Neural models for an asymmetric coplanar stripline with an infinitely wide strip**
 Yildiz C., SAGIROGLU S., Saracoglu O., TURKMEN M.
 INTERNATIONAL JOURNAL OF ELECTRONICS, vol.90, no.8, pp.509-516, 2003 (SCI-Expanded)
- XXXV. **A multilayered perceptron neural network for a micro-coplanar strip line**
 SAGIROGLU S., Yildiz C.
 ELECTROMAGNETICS, vol.22, no.7, pp.553-563, 2002 (SCI-Expanded)
- XXXVI. **Neural models for the resonant frequency of electrically thin and thick circular microstrip antennas and the characteristic parameters of asymmetric coplanar waveguides backed with a conductor**
 Yildiz C., GULTEKIN S., GUNAY K., SAGIROGLU S.
 AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.56, no.6, pp.396-406, 2002 (SCI-Expanded)
- XXXVII. **Determination of the design parameters for the optical second harmonic generation efficiency in organic crystal-cored fibers**
 Yildiz C., Ozsoy S.
 JAPANESE JOURNAL OF APPLIED PHYSICS PART 2-LETTERS & EXPRESS LETTERS, vol.36, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **VERY SIMPLE AND ACCURATE COMPUTER-AIDED-DESIGN (CAD) MODELS DEVELOPED BY GENETIC PROGRAMMING FOR THE QUASI-STATIC ANALYSIS OF UNSHIELDED SUSPENDED AND INVERTED MICROSTRIP LINES**
 YILDIZ C., KISIOGLU H.
 ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.2, 2017 (ESCI)
- II. **Neural models for the elliptic- and circular-shaped microshield lines**
 KAYA S., TÜRKMEN M., GÜNEY K., YILDIZ C.
 Progress In Electromagnetics Research B, vol.6, pp.169-181, 2008 (Scopus)
- III. **Quasi-static models based on artificial neural networks for calculating the characteristic parameters of multilayer cylindrical coplanar waveguide and strip line**
 YILDIZ C., TÜRKMEN M.
 Progress In Electromagnetics Research B, vol.3, pp.1-22, 2008 (Scopus)
- IV. **Adaptive neuro-fuzzy models for conventional coplanar waveguides**

TÜRKMEN M., KAYA S., YILDIZ C., GÜNEY K.

Progress In Electromagnetics Research B, vol.6, pp.93-107, 2008 (Scopus)

V. **SIMPLE MODEL FOR THE INPUT IMPEDANCE OF RECTANGULAR MICROSTRIP ANTENNA**

YILDIZ C., GÜNEY K.

Pamukkale University Journal of Engineering Sciences, vol.4, pp.733-738, 1998 (Peer-Reviewed Journal)

Supported Projects

YILDIZ C., GÖRGÜÇ Ö., Project Supported by Higher Education Institutions, Elektromanyetik Fırlatıcı Tasarımı ve Mermi Çıkış Hızı Ölçüm Sistemi, 2013 - 2019

GÜNEY K., KAYA S., TÜRKMEN M., YILDIZ C., Project Supported by Higher Education Institutions, İletken Destekli Eş Düzlemli Dalga Kılavuzlarının Esnek Hesaplama Yöntemleri İle Sentezi, 2009 - 2011

YILDIZ C., TÜRKMEN M., Project Supported by Higher Education Institutions, KOPLANAR HATLAR İÇİN BULANIK MANTIK SİSTEMİNE DAYALI UYARLANIR AĞ TABANLI CAD MODELLER, 2006 - 2009

YILDIZ C., TÜRKMEN M., Project Supported by Higher Education Institutions, MİKRODALGA İLETİM HATLARI İÇİN YAPAY SİNİR AĞI TABANLI CAD MODELLER, 2004 - 2006

Metrics

Publication: 62

Citation (WoS): 276

Citation (Scopus): 315

H-Index (WoS): 10

H-Index (Scopus): 11

Non Academic Experience

ERCİYES ÜNİVERSİTESİ

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