

## Prof.Dr. CELAL YILDIZ

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Ens., Elektronik, Türkiye 1988 - 1992

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Ens., Elektronik Hab., Türkiye 1985 - 1988

Lisans, Erciyes Üniversitesi, Müh.Fak, Elektronik Müh., Türkiye 1978 - 1982

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

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

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

### Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektronik, Mikrodalga Devreleri, Mühendislik ve Teknoloji

### Akademik Unvanlar / Görevler

Prof.Dr., Erciyes Üniversitesi, Müh. Fak., Elk-Eln. Müh., 2010 - Devam Ediyor

Doç.Dr., Erciyes Üniversitesi, Müh.Fak, Elek-Eln Müh., 2005 - 2010

Yrd.Doç.Dr., Erciyes Üniversitesi, Müh.Fak, Elektronik Müh., 1993 - 2005

Araştırma Görevlisi, Erciyes Üniversitesi, Müh.Fak., Elektronik Müh., 1984 - 1993

### Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Erciyes Üniversitesi, Elk-Eln Müh., 1996 - 2018

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Closed-form design equations for asymmetric coplanar strip line with an infinitely wide strip

YILDIZ C., Kisioglu H., ÖZTÜRK C.

ELECTROMAGNETICS, cilt.37, sa.6, ss.411-421, 2017 (SCI İndekslerine Giren Dergi)

- II. **Very simple synthesis formulas for microcoplanar striplines**  
YILDIZ C., Kisioglu H.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.55, sa.3, ss.615-619, 2013 (SCI İndekslerine Giren Dergi)
- III. **ANFIS MODELS FOR SYNTHESIS OF OPEN SUPPORTED COPLANAR WAVEGUIDES**  
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.  
NEURAL NETWORK WORLD, cilt.23, sa.6, ss.553-569, 2013 (SCI İndekslerine Giren Dergi)
- 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, cilt.54, sa.2, ss.460-467, 2012 (SCI İndekslerine Giren Dergi)
- 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, cilt.53, sa.1, ss.211-216, 2011 (SCI İndekslerine Giren Dergi)
- 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, cilt.52, sa.9, ss.1990-1996, 2010 (SCI İndekslerine Giren Dergi)
- VII. **NEW AND ACCURATE SYNTHESIS FORMULAS FOR OPEN SUPPORTED COPLANAR WAVEGUIDES**  
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.52, sa.2, ss.262-269, 2010 (SCI İndekslerine Giren Dergi)
- 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, cilt.52, sa.1, ss.20-24, 2010 (SCI İndekslerine Giren Dergi)
- 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, cilt.8, ss.1-13, 2009 (SCI Expanded İndekslerine Giren Dergi)
- 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, cilt.10, ss.71-81, 2009 (SCI Expanded İndekslerine Giren Dergi)
- 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, cilt.51, sa.2, ss.439-445, 2009 (SCI İndekslerine Giren Dergi)
- 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, cilt.30, sa.2, ss.109-116, 2009 (SCI İndekslerine Giren Dergi)
- XIII. **Synthesis formulas for microcoplanar striplines**  
Guney K., YILDIZ C., Kaya S., TÜRKMEN M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.50, sa.11, ss.2884-2888, 2008 (SCI İndekslerine Giren Dergi)
- 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, cilt.50, sa.5, ss.1191-1196, 2008 (SCI İndekslerine Giren Dergi)
- XV. **Synthesis formulas for conductor-backed coplanar waveguide**  
YILDIZ C., TÜRKMEN M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.50, sa.4, ss.1115-1117, 2008 (SCI İndekslerine Giren Dergi)
- XVI. **Accurate and simple synthesis formulas for coplanar waveguides**  
Akdagli A., TÜRKMEN M., YILDIZ C.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.18, sa.2, ss.112-117, 2008 (SCI İndekslerine Giren Dergi)
- XVII. **ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM FOR THE COMPUTATION OF THE CHARACTERISTIC IMPEDANCE AND THE EFFECTIVE PERMITTIVITY OF THE MICRO-COPLANAR STRIP LINE**  
Sarikaya N., Güney K., Yildiz C.  
Progress In Electromagnetics Research B, cilt.6, ss.225-237, 2008 (SCI İndekslerine Giren Dergi)
- XVIII. **Synthesis formulas for multilayer homogeneous coupling structure with ground shielding**  
Güney K., YILDIZ C., KAYA S., TÜRKMEN M.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.21, sa.14, ss.2073-2084, 2007 (SCI İndekslerine Giren Dergi)
- XIX. **New and accurate synthesis formulas for multilayer homogeneous coupling structure**  
Güney K., Yildiz C., Kaya S., Turkmen M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.10, ss.2486-2489, 2007 (SCI İndekslerine Giren Dergi)
- XX. **Neural models for the V-shaped conductor-backed coplanar waveguides**  
Güney K., Yildiz C., Kaya S., Turkmen M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.49, sa.6, ss.1294-1299, 2007 (SCI İndekslerine Giren Dergi)
- XXI. **Neural models for quasi-static analysis of conventional and supported coplanar waveguides**  
Yildiz C., Güney K., Turkmen M., Kaya S.  
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.61, sa.8, ss.521-527, 2007 (SCI İndekslerine Giren Dergi)
- XXII. **Neural models for coplanar strip line synthesis**  
Yildiz C., Güney K., Turkmen M., Kaya S.  
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, cilt.69, ss.127-144, 2007 (SCI İndekslerine Giren Dergi)
- XXIII. **Neural models for the broadside-coupled V-shaped microshield coplanar waveguides**  
Güney K., Yildiz C., Kaya S., Turkmen M.  
International Journal of Infrared and Millimeter Waves, cilt.27, sa.9, ss.1241-1255, 2006 (SCI Expanded İndekslerine Giren Dergi)
- 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, cilt.48, sa.6, ss.1133-1137, 2006 (SCI İndekslerine Giren Dergi)
- XXV. **Artificial neural networks for calculating the characteristic impedance of air-suspended trapezoidal and rectangular-shaped microshield lines**  
Güney K., Yildiz C., Kaya S., Turkmen M.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.20, sa.9, ss.1161-1174, 2006 (SCI İndekslerine Giren Dergi)
- 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, cilt.15, sa.2, ss.218-224, 2005 (SCI İndekslerine Giren Dergi)

- XXVII. **New and very simple synthesis formulas for coplanar strip line**  
Yildiz C.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.44, sa.2, ss.199-202, 2005 (SCI İndekslerine Giren Dergi)
- XXVIII. **Neural analysis of top shielded multilayered coplanar waveguides**  
TÜRKMEN M., YILDIZ C., SAĞIROĞLU Ş.  
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.12, sa.1, ss.1-10, 2004 (SCI Expanded İndekslerine Giren Dergi)
- XXIX. **New and very simple CAD models for coplanar waveguide synthesis**  
Yildiz C., TURKMEN M.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.41, sa.1, ss.49-53, 2004 (SCI İndekslerine Giren Dergi)
- XXX. **Neural model for coplanar waveguide sandwiched between two dielectric substrates**  
Yildiz C., Sagiroglu S., TURKMEN M.  
IEE PROCEEDINGS-MICROWAVES ANTENNAS AND PROPAGATION, cilt.151, sa.1, ss.7-12, 2004 (SCI İndekslerine Giren Dergi)
- 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, cilt.58, sa.4, ss.284-292, 2004 (SCI İndekslerine Giren Dergi)
- XXXII. **Simple models based on neural networks for suspended and inverted microstrip lines**  
Yildiz C., Saracoglu O.  
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.39, sa.5, ss.383-389, 2003 (SCI İndekslerine Giren Dergi)
- 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, cilt.13, sa.6, ss.438-446, 2003 (SCI İndekslerine Giren Dergi)
- 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, cilt.90, sa.8, ss.509-516, 2003 (SCI İndekslerine Giren Dergi)
- XXXV. **A multilayered perceptron neural network for a micro-coplanar strip line**  
SAGIROGLU S., Yildiz C.  
ELECTROMAGNETICS, cilt.22, sa.7, ss.553-563, 2002 (SCI İndekslerine Giren Dergi)
- 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, cilt.56, sa.6, ss.396-406, 2002 (SCI İndekslerine Giren Dergi)
- 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, cilt.36, 1997 (SCI İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- 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, cilt.17, sa.2, 2017 (ESCI İndekslerine Giren Dergi)

- II. **Neural models for the elliptic- and circular-shaped microshield lines**  
KAYA S., TÜRKMEN M., GÜNEY K., YILDIZ C.  
Progress In Electromagnetics Research B, cilt.6, ss.169-181, 2008 (Diğer Kurumların Hakemli Dergileri)
- 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, cilt.3, ss.1-22, 2008 (Diğer Kurumların Hakemli Dergileri)
- IV. **Adaptive neuro-fuzzy models for conventional coplanar waveguides**  
TÜRKMEN M., KAYA S., YILDIZ C., GÜNEY K.  
Progress In Electromagnetics Research B, cilt.6, ss.93-107, 2008 (Diğer Kurumların Hakemli Dergileri)
- V. **SIMPLE MODEL FOR THE INPUT IMPEDANCE OF RECTANGULAR MICROSTRIP ANTENNA**  
YILDIZ C., GÜNEY K.  
Pamukkale University Journal of Engineering Sciences, cilt.4, ss.733-738, 1998 (Diğer Kurumların Hakemli Dergileri)

## Desteklenen Projeler

- YILDIZ C., GÖRGÜÇ Ö., Yükseköğretim Kurumları Destekli Proje, Elektromanyetik Fırlatıcı Tasarımı ve Mermi Çıkış Hızı Ölçüm Sistemi, 2013 - 2019
- GÜNEY K., KAYA S., TÜRKMEN M., YILDIZ C., Yükseköğretim Kurumları Destekli Proje, İletken Destekli Eş Düzlemli Dalga Kılavuzlarının Esnek Hesaplama Yöntemleri İle Sentezi, 2009 - 2011
- YILDIZ C., TÜRKMEN M., Yükseköğretim Kurumları Destekli Proje, KOPLANAR HATLAR İÇİN BULANIK MANTIK SİSTEMİNE DAYALI UYARLANIR AĞ TABANLI CAD MODELLER, 2006 - 2009
- YILDIZ C., TÜRKMEN M., Yükseköğretim Kurumları Destekli Proje, MİKRODALGA İLETİM HATLARI İÇİN YAPAY SİNİR AĞI TABANLI CAD MODELLER, 2004 - 2006

## Atıflar

Toplam Atıf Sayısı (WOS):251

h-indeksi (WOS):9