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Education Information

Doctorate, Cornell University, Elektrik Mühendisliği-Matematik, United States Of America 1976 - 1982

Postgraduate, Stevens Institute of Technology, Stevens Institute Of Technology , Elektrik Mühendisliği Bölümü-Matematik, United States Of America 1976 - 1978

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Mühendisliği, Turkey 1969 - 1974

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Broadband Matching a Complex Genarator to a Complex Load, Cornell University, Elektrik Mühendisliği-Matematik , Elektrik Mühendisliği-Matematik , 1982

Research Areas

Electrical and Electronics Engineering, Electronic, Electronic Circuits, Microwave Circuits, Electromagnetic, Electric and Magnetic Fields, Electromagnetic Waves, Antennas and Propagation, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2004 - Continues

Associate Professor, Anadolu University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği, 1985 - 1988

Assistant Professor, Anadolu University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği, 1984 - 1985

Academic and Administrative Experience

İstanbul Üniversitesi, Bilişim Koordinasyon Kurulu, 2011 - Continues

İstanbul Üniversitesi, Elektrik-Elektronik Mühendisliği, Elektrik-Elektronik Mühendisliği , 2004 - Continues

İstanbul Üniversitesi, Konservatuar, 2011 - 2015

İstanbul Üniversitesi, 2009 - 2015

Courses

Electromagnetic Field Theory, Undergraduate, 2013 - 2014

Elektromanyetik Alan Teorisi, Undergraduate, 2012 - 2013

Teşhis ve Tedavide Çok Amaçlı Karar Verme Yöntemleri, Doctorate, 2013 - 2014

Yöneticiler için Karar Verme Yöntemleri, Doctorate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Detection of COVID-19 and its pulmonary stage using Bayesian hyperparameter optimization and deep feature selection methods**
Muzoglu N., Halefoglu A. M., Avci M. O., Karaaslan M. K., Yarman B. S. B.
EXPERT SYSTEMS, vol.40, no.1, 2023 (SCI-Expanded)
- II. **Broadband Power Amplifier Design via Fictitious Matching**
KILINÇ S., Yarman B. S., Özoğuz İ. S.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS II-EXPRESS BRIEFS, vol.69, no.12, pp.4844-4848, 2022 (SCI-Expanded)
- III. **Broadband performance assessment of a microwave power transistor employing the real frequency technique**
Kilinc S., Ejaz M. E., Yarman B. S., Ozoguz S., Srivastava S., Nurellari E.
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.50, no.11, pp.3725-3748, 2022 (SCI-Expanded)
- IV. **A 919 MHz-923 MHz, 21 dBm CMOS Power Amplifier With Bias Modulation Linearization Technique Achieving PAE of 29% for LoRa Application**
Rawat A. S., Rajendran J., Mariappan S., Shasidharan P., Kumar N., Yarman B. S.
IEEE ACCESS, vol.10, pp.79365-79378, 2022 (SCI-Expanded)
- V. **Antibacterial, cytotoxicity and biodegradability studies of polycaprolactone nanofibers holding green synthesized Ag nanoparticles using atropa belladonna extract**
Avci M. O., Muzoglu N., Yilmaz A. E., Yarman B. S.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.33, no.9, pp.1157-1180, 2022 (SCI-Expanded)
- VI. **A GaN Microwave Power Amplifier Design Based on the Source/Load Pull Impedance Modeling via Virtual Gain Optimization**
KILINÇ S., Yarman B. S., Ozoguz S.
IEEE ACCESS, vol.10, pp.50677-50691, 2022 (SCI-Expanded)
- VII. **Detection of COVID-19 findings by the local interpretable model-agnostic explanations method of types-based activations extracted from CNNs**
Togacar M., Muzoglu N., ERGEN B., Yarman B. S. B., Halefoglu A. M.
BIOMEDICAL SIGNAL PROCESSING AND CONTROL, vol.71, 2022 (SCI-Expanded)
- VIII. **Low pass filter design with improved stop-band suppression and synthesis with transformer-free ladders**
Yildiz S., Aksen A., KILINÇ S., Yarman S. B.
IET CIRCUITS DEVICES & SYSTEMS, vol.15, no.6, pp.504-510, 2021 (SCI-Expanded)
- IX. **CMOS realization of electronically tunable VDCC based single-input-dual-output filter**
Guney A., KAÇAR F., Kuntman H.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.132, 2021 (SCI-Expanded)
- X. **The Advancement of Radio Frequency Energy Harvesters (RFEHs) as a Revolutionary Approach for**

Solving Energy Crisis in Wireless Communication Devices: A Review

Ramalingam L., Mariappan S., Parameswaran P., Rajendran J., Nitesh R. S., Kumar N., Nathan A., Yarman B. S.
IEEE ACCESS, vol.9, pp.106107-106139, 2021 (SCI-Expanded)

- XI. **An 0.4-2.8 GHz CMOS Power Amplifier With On-Chip Broadband-Pre-Distorter (BPD) Achieving 36.1-38.6% PAE and 21 dBm Maximum Linear Output Power**
Mariappan S., Rajendran J., Yusof Y. M., Noh N. M., Yarman B. S.
IEEE ACCESS, vol.9, pp.48831-48840, 2021 (SCI-Expanded)
- XII. **Design of multiband matching ladders without mutual coupling using parametric representation of Brune functions**
Yildiz S., Aksen A., Yarman B. S.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.30, no.10, 2020 (SCI-Expanded)
- XIII. **Dual band stop filter design via frequency transformation and synthesis with lumped resonators**
Yildiz S., Aksen A., KILINÇ S., Yarman S. B.
IET CIRCUITS DEVICES & SYSTEMS, vol.14, no.3, pp.311-315, 2020 (SCI-Expanded)
- XIV. **Broadband RF Power Amplifier with Combination of Large Signal X-Parameter and Real Frequency Techniques**
Krishnamoorthy R., Kumar N., Grebennikov A., Yarman B. S., Ramiah H.
IEICE TRANSACTIONS ON ELECTRONICS, vol.E103C, no.5, pp.225-230, 2020 (SCI-Expanded)
- XV. **Microwave engineering expertise in Turkey [around the globe]**
Yarman B. S. B., Palamutcuogullari O., KAYA I., KIZILBEY O., Aksen A., AKIN T., OZKAN Z. L., OKSAR I., NESİMOĞLU T.
IEEE Microwave Magazine, vol.19, no.3, pp.135-140, 2018 (SCI-Expanded)
- XVI. **Broadband GaN HEMT distributed power amplifier design with phase adjustment**
YAN H. H., KUMAR N., LATEF T. A., Yarman B. S. B., Grebennikov A.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.60, no.1, pp.253-256, 2018 (SCI-Expanded)
- XVII. **Ultra-wideband GaN HEMT power amplifier with practical mixed lumped approach employing real-frequency technique**
LIM W. J., KUMAR N., Yarman S., Chacko P.
IEICE ELECTRONICS EXPRESS, vol.14, no.13, 2017 (SCI-Expanded)
- XVIII. **Effects of Co-Channel Interference on Sum-Rate Based Relay Selection Method for A Dual-Hop Multiple Full-Duplex Two-Way Wireless Relaying Networks**
ÖZDURAN V., Soleimani-Nasab E., YARMAN B. S. B.
Istanbul University Journal of Electrical and Electronics Engineering, no.17, pp.3387-3397, 2017 (SCI-Expanded)
- XIX. **Distributed power amplifier with novel integration technique of broadband impedance transformer using pseudomorphic HEMT and gallium nitride HEMT**
NARENDRA K., YAN H. H., Yarman B. S. B., LATEF T. A.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.11, no.7, pp.949-954, 2017 (SCI-Expanded)
- XX. **A design technique of 50 Ohm terminated bandpass matching network and its implementation to a Y-shaped monopole antenna matching**
Aydin C., Atilla D. C., Kopru R., Kilinc S., Karakus C., Yarman B. S.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.89, no.3, pp.665-673, 2016 (SCI-Expanded)
- XXI. **Opportunistic source-pair selection for multi-user two-way amplify-and-forward wireless relaying networks**
Ozduran V., Soleimani-Nasab E., Yarman B. S. B.
IET COMMUNICATIONS, vol.10, no.16, pp.2106-2118, 2016 (SCI-Expanded)
- XXII. **Effect of input phase mismatch in Doherty power amplifiers**
Aydin O., Palamutcuogullari O., Yarman B. S. B.
IEICE ELECTRONICS EXPRESS, vol.13, no.20, 2016 (SCI-Expanded)
- XXIII. **SIMSec: A Key Exchange Protocol Between SIM Card and Service Provider**
Ok K., Coskun V., Yarman S. B., CEVIKBAS C., Ozdenizci B.
WIRELESS PERSONAL COMMUNICATIONS, vol.89, no.4, pp.1371-1390, 2016 (SCI-Expanded)

- XXIV. **Effect of offset lines in Doherty power amplifiers**
Aydin O., Palamutcuogullari O., Yarman B. S. B.
IEICE ELECTRONICS EXPRESS, vol.12, no.24, 2015 (SCI-Expanded)
- XXV. **Ultra wideband matching network design for a V-shaped square planar monopole antenna**
Kopru R., Kilinc S., Aydin C., Atilla D. C., KARAKUS C., Yarman B. S. B.
INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES, vol.6, no.6, pp.555-564, 2014 (SCI-Expanded)
- XXVI. **Wideband power amplifier for two-way radio applications via real-frequency technique**
ARIDAS N. K., Yarman B. S. B., CHACKO P.
ELECTRONICS LETTERS, vol.50, no.23, pp.1762-1763, 2014 (SCI-Expanded)
- XXVII. **On numerical design technique of wideband microwave amplifiers based on GaN small-signal device model**
Kopru R., Kuntman H., Yarman B. S.
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, vol.81, no.1, pp.71-87, 2014 (SCI-Expanded)
- XXVIII. **Impact of the External Co-channel Interferences Over Multiuser Bi-directional Wireless Relaying Networks-Part I: System Description and Outage Analysis**
Ozduran V., Yarman S. B.
WIRELESS PERSONAL COMMUNICATIONS, vol.78, no.2, pp.1277-1295, 2014 (SCI-Expanded)
- XXIX. **High Precision Synthesis of a Richards Immittance Via Parametric Approach**
Yarman B. S. B., Kopru R., KUMAR N., PRAKASH C.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, vol.61, no.4, pp.1055-1067, 2014 (SCI-Expanded)
- XXX. **A decision support system to determine optimal ventilator settings**
Akbulut F. P., AKKUR E., Akan A., Yarman B. S. B.
BMC MEDICAL INFORMATICS AND DECISION MAKING, vol.14, 2014 (SCI-Expanded)
- XXXI. **High Precision LC Ladder Synthesis Part II: Immittance Synthesis With Transmission Zeros at DC and Infinity**
Yarman B. S. B., Kilinc A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, vol.60, no.10, pp.2719-2729, 2013 (SCI-Expanded)
- XXXII. **Novel Approach to Design Ultra Wideband Microwave Amplifiers: Normalized Gain Function Method**
Kopru R., Kuntman H., Yarman B. S. B.
RADIOENGINEERING, vol.22, no.3, pp.672-686, 2013 (SCI-Expanded)
- XXXIII. **High Precision LC Ladder Synthesis Part I: Lowpass Ladder Synthesis via Parametric Approach**
Kilinc A., Yarman B. S.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, vol.60, no.8, pp.2074-2083, 2013 (SCI-Expanded)
- XXXIV. **An eclectic approach to design tunable amplifiers**
Nesimoglu T., Aydin C., Atilla D. C., Kopru R., Yarman B. S. B.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.23, no.4, pp.444-451, 2013 (SCI-Expanded)
- XXXV. **Organizasyonlarda İçerik Yönetim Sistemi Seçimi İçin Bir Karar Destek Sistemi Geliştirilmesi**
Kartal E., Özen Z., Üstünkaya M. E., Zaim Gökbay I., Yarman B. S. B.
American Sociological Review, vol.10, no.40, pp.155-162, 2013 (SSCI)
- XXXVI. **3.5-3.8 GHz class-E balanced GaN HEMT power amplifier with 20 W Pout and 80% PAE**
Kizilbey O., Palamutcuogullari O., Yarman S. B.
IEICE ELECTRONICS EXPRESS, vol.10, no.5, 2013 (SCI-Expanded)
- XXXVII. **Vectorially Combined Distributed Power Amplifiers for Software-Defined Radio Applications**
Narendra K., Limiti E., Paoloni C., Collantes J., Jansen R., Yarman S.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.60, no.10, pp.3189-3200, 2012 (SCI-Expanded)

- XXXVIII. **Vectorially combined distributed power amplifier with load pull impedance determination**
Narendra K., Limiti E., Paoloni C., Collantes J. M., Jansen R. H., Yarman B. S. B.
ELECTRONICS LETTERS, vol.46, no.16, pp.1137-1138, 2010 (SCI-Expanded)
- XXXIX. **A Novel Hybrid Electrocardiogram Signal Compression Algorithm with Low Bit-Rate**
GÜRKAN H., Güz Ü., YARMAN B. S. B.
Lecture Notes in Electrical Engineering, vol.62, pp.95-98, 2010 (SCI-Expanded)
- XL. **EEG signal compression based on classified signature and envelope vector sets**
Gurkan H., Guz U., Yarman B. S. B.
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.37, no.2, pp.351-363, 2009 (SCI-Expanded)
- XLI. **Design of Distibuted-Element RF Filters via Reflectance Data Modeling**
ŞENGÜL M., YARMAN B. S. B., VOLMER C., Hein M. A.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.1, pp.1-10, 2009 (SCI-Expanded)
- XLII. **Broadband Equalizer Design with Commensurate Transmission Lines via Reflectance Modeling**
ŞENGÜL M., Yarman S. B.
IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES, no.12, pp.3763-3771, 2008 (SCI-Expanded)
- XLIII. **Design of Broadband Microwave Amplifiers with Mixed-Elements via Reflectance Data Modeling**
ŞENGÜL M., YARMAN B. S. B.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.62, pp.132-137, 2008 (SCI-Expanded)
- XLIV. **Design of distributed-element RF filters via reflectance data modeling**
ŞENGÜL M., Yarman S. B., Volmer C., Hein M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.62, no.7, pp.483-489, 2008 (SCI-Expanded)
- XLV. **Design of broadband microwave amplifiers with mixed-elements via reflectance data modeling**
ŞENGÜL M., Yarman S. B.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.62, no.2, pp.132-137, 2008 (SCI-Expanded)
- XLVI. **Design of practical matching networks with lumped elements via modeling**
YARMAN B. S. B., ŞENGÜL M., KILINÇ A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, vol.54, no.8, pp.1829-1837, 2007 (SCI-Expanded)
- XLVII. **Modeling of electrocardiogram signals using predefined signature and envelope vector sets**
GÜRKAN H., Güz U., Yarman B. S. B.
EURASIP JOURNAL ON ADVANCES IN SIGNAL PROCESSING, 2007 (SCI-Expanded)
- XLVIII. **New Method to Represent Speech Signals via Predefined Signature and Envelope Sequences**
Güz Ü., GÜRKAN H., YARMAN B. S. B.
EURASIP JOURNAL ON APPLIED SIGNAL PROCESSING, vol.1, pp.1-17, 2007 (SCI-Expanded)
- XLIX. **On the Comparative Results of SYMPES: A New Method of Speech Modelling**
YARMAN B. S. B., Güz Ü., GÜRKAN H.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.60, pp.421-427, 2006 (SCI-Expanded)
- L. **Determination of Optimum Length of Frames and Number of Vectors to Compress ECG Signals**
Akdeniz R., Tüfekçi P., YARMAN B. S. B.
INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, vol.1, pp.260-264, 2005 (SCI-Expanded)
- LI. **A novel method to represent speech signals**
Akdeniz R., YARMAN B. S. B.
SIGNAL PROCESSING, vol.85, no.1, pp.37-50, 2005 (SCI-Expanded)
- LII. **Immitance data modelling via linear interpolation techniques: A classical circuit theory approach**
YARMAN B. S. B., KILINÇ A., Aksen A.

- INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.32, no.6, pp.537-563, 2004 (SCI-Expanded)
- LIII. **A Computer-Aided Design technique for lossless matching networks with mixed, lumped and distributed elements**
Sertbas A., Yarman B.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.58, no.6, pp.424-428, 2004 (SCI-Expanded)
- LIV. **A New Modeling Method of the ECG Signals Based on the Use of an Optimized Predefined Functional Database**
YARMAN B. S. B., GÜRKAN H., Güz Ü., Aygün B.
INTERNATIONAL JOURNAL OF CARDIOLOGY, vol.53, pp.59-61, 2003 (SCI-Expanded)
- LV. **Determination of Optimum Length of Frames and Number of Vectors to Code ECG Signals**
Akdeniz R., Tüfekçi P., YARMAN B. S. B.
INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS, vol.1, pp.58-61, 2003 (SCI-Expanded)
- LVI. **International Journal of Electronics and Communications (AEÜ)**
YARMAN B. S. B., Aksen A., KILINÇ A.
An Immitance Based Tool for Modelling Passive One-Port Devices by Means of Darlington Equivalents, vol.55, pp.443-451, 2001 (SCI-Expanded)
- LVII. **A real frequency approach to describe lossless two-ports formed with mixed lumped and distributed elements**
Aksen A., YARMAN B. S. B.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.55, no.6, pp.389-396, 2001 (SCI-Expanded)
- LVIII. **AN INTEGRATED DESIGN TOOL TO CONSTRUCT LOSSLESS MATCHING NETWORKS WITH MIXED LUMPED AND DISTRIBUTED ELEMENTS**
YARMAN B. S. B., Aksen A.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-FUNDAMENTAL THEORY AND APPLICATIONS, vol.39, no.9, pp.713-723, 1992 (SCI-Expanded)
- LIX. **Novel circuit configurations to design loss balanced 0-360 digital phase shifters**
YARMAN B. S. B.
AEÜ, vol.45, pp.96-104, 1991 (SCI-Expanded)
- LX. **Computer Aided Double Matching via Parametric Representation of Brune Functions**
YARMAN B. S. B., Fettweis A.
IEEE Trans. on CAS, vol.37, pp.212-222, 1990 (SCI-Expanded)
- LXI. **NEW CIRCUIT CONFIGURATIONS FOR DESIGNING 0-180-DEGREES DIGITAL PHASE SHIFTERS**
YARMAN B. S.
IEE PROCEEDINGS-H MICROWAVES ANTENNAS AND PROPAGATION, vol.134, no.3, pp.253-260, 1987 (SCI-Expanded)
- LXII. **MODERN APPROACHES TO BROAD-BAND MATCHING PROBLEMS**
YARMAN B. S.
IEE PROCEEDINGS-H MICROWAVES ANTENNAS AND PROPAGATION, vol.132, no.2, pp.87-92, 1985 (SCI-Expanded)
- LXIII. **DOUBLE BROAD-BAND MATCHING AND THE PROBLEM OF RECIPROCAL REACTANCE 2N-PORT CASCADE DECOMPOSITION**
YOULA D. C., CARLIN H. J., YARMAN B. S. B.
INTERNATIONAL JOURNAL OF CIRCUIT THEORY AND APPLICATIONS, vol.12, no.3, pp.269-281, 1984 (SCI-Expanded)
- LXIV. **THE DOUBLE MATCHING PROBLEM - ANALYTIC AND REAL FREQUENCY SOLUTIONS**
CARLIN H., YARMAN B.
IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS, vol.30, no.1, pp.15-28, 1983 (SCI-Expanded)
- LXV. **A DYNAMIC CAD TECHNIQUE FOR DESIGNING BROAD-BAND MICROWAVE-AMPLIFIERS**
YARMAN B. S. B.

- RCA REVIEW, vol.44, no.4, pp.551-565, 1983 (SCI-Expanded)
- LXVI. **A Simplified Real Frequency Technique Applied to Broadband Multistage Microwave Amplifiers**
YARMAN B. S. B.
IEEE-MTT, vol.30, pp.2216-2222, 1982 (SCI-Expanded)
- LXVII. **Real Frequency Broadband Matching Using Linear Programming**
YARMAN B. S. B.
RCA Review, vol.43, pp.626-654, 1982 (SCI-Expanded)
- LXVIII. **A SIMPLIFIED REAL FREQUENCY TECHNIQUE FOR BROAD-BAND MATCHING A COMPLEX GENERATOR TO A COMPLEX LOAD**
YARMAN B. S. B.
RCA REVIEW, vol.43, no.3, pp.529-541, 1982 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Linear Stochastic System Approach to Model Symptom Based Clinical Decision Support Tool for the Early Diagnosis for Psoriasis, Seborrheic Dermatitis, Rosacea and Chronic Dermatitis**
Gokbay İ., Zileli Z. B., Sari P., Aksoy T. T., Yarman S.
ELECTRICA, vol.19, no.1, pp.48-58, 2019 (ESCI)
- II. **A Linear Stochastic System Approach to Model Symptom Based Clinical Decision Support Tool for the Early Diagnosis for Psoriasis, Seborrheic Dermatitis, Rosacea and Chronic Dermatitis.**
ZAIM GÖKBAY İ., Zileli Z. B., Sarı Tekten P., Aksoy T. T., YARMAN B. S. B.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.19, no.1, pp.57-67, 2019 (Scopus)
- III. **DUAL BAND FILTER DESIGN USING REAL FREQUENCY TECHNIQUE AND FREQUENCY TRANSFORMATION**
YILDIZ S., Aksen A., YARMAN B. S. B.
ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.2, pp.3343-3350, 2017 (Peer-Reviewed Journal)
- IV. **DUAL BAND FILTER DESIGN USING REAL FREQUENCY TECHNIQUE AND FREQUENCY TRANSFORMATION**
Yildiz S., Aksen A., Yarman S. B.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.17, no.2, 2017 (ESCI)
- V. **Microarray Gene Expression Data Classification with Random Forest**
Aytekin S. A., YARMAN B. S. B., ZAIM GÖKBAY İ.
International Journal of Engineering Science and Computing IJESC, vol.6, no.12, pp.3898-3901, 2016 (Peer-Reviewed Journal)
- VI. **COMPUTER AIDED DARLINGTON SYNTHESIS OF AN ALL PURPOSE IMMITTANCE FUNCTION**
YARMAN B. S. B., Aksen A., KÖPRÜ R., KUMAR N., AYDIN Ç., ATILLA D. Ç., Chacko P.
Istanbul University - Journal of ELECTRICAL & ELECTRONICS ENGINEERING(IU - JEEE), vol.16, no.1, pp.2027-2037, 2016 (Peer-Reviewed Journal)
- VII. **ZERO IF SECOND HARMONIC SIGE MIXER WITH DC OFFSET CANCELLATION**
GÜVENÇ U., PALAMUTCUOGULLARI O., YARMAN B. S. B.
Istanbul University - Journal of ELECTRICAL & ELECTRONICS ENGINEERING(IU - JEEE), no.16, pp.1965-1970, 2016 (Peer-Reviewed Journal)
- VIII. **ZERO-IF SECOND HARMONIC SIGE MIXER WITH DC OFFSET CANCELLATION**
Guvenc U., Palamutcuogullari O., Yarman S.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.16, no.1, pp.1965-1970, 2016 (ESCI)
- IX. **Organizasyonlarda İçerik Yönetim Sistemi Seçimi İçin Bir Karar Destek Sistemi Geliştirilmesi (Developing a Decision Support System to Select Content Management System in Organizations)**

- Kartal Karataş E., Özen Z., Üstünkaya M. E., Zaim Gökbay İ., Yarman B. S.
AMERICAN SOCIOLOGICAL REVIEW, vol.10, no.40, pp.155-162, 2013 (Peer-Reviewed Journal)
- X. **A proposal from Istanbul University for a new legislation on higher education**
Batmaz V., Ozturk R., Vardar O., Yanik M., Yarman S., Yazici H.
YUKSEKOGRETİM DERGISI, vol.1, no.1, pp.6-7, 2011 (ESCI)
- XI. **New Statistical Method to Represent Speech Signals**
YARMAN B. S. B.
Asian Journal of Information Technology, vol.3, pp.721-726, 2004 (Peer-Reviewed Journal)
- XII. **New approaches to design digital phase shifters over the complete phase plane**
YARMAN B. S. B.
Journal of Islamic Academy of Science, vol.4, pp.14-25, 1991 (Peer-Reviewed Journal)
- XIII. **Design of Digital Phase Shifters Suitable for Monolithic Implementation**
YARMAN B. S.
Bulletin of the Technical University of İstanbul, vol.38, pp.183-205, 1985 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Mühendislik Fiziği 1**
YARMAN N. T., ARIK M., ALTINTAŞ A. A., YARMAN B. S. B., ZAIM N., KAVUK M., GOLDENBERG E.
Okan Üniversite Yayınları, İstanbul, 2018
- II. **Hayata Bir Çocuk Bir Çocuğa Hayat: Suça Karışmanın Erken Yaşta Önlenmesi**
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YARMAN B. S., Çimen E., Aksen A., SERTBAŞ A.
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SERTBAŞ A., YARMAN B. S., Aksen A.
Çukurova Üniversitesi, M.M.Fak. Elektrik Müh. 10.Yıl Sempozyumu, Adana, Turkey, 18 - 20 February 1998, pp.84-89
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1998 IEEE Asia-Pacific Conference on Circuits and Systems, Chiang-Mai, Thailand, 24 - 27 November 1998, pp.295-298

Supported Projects

ÖZDURAN V., SOLEİMANİ-NASAB E., YARMAN B. S. B., Project Supported by Higher Education Institutions, Opportunistic source-pair selection for multi-user two-way amplify-and-forward wireless relaying networks, 2017 - 2017

ÖZDURAN V., SOLEİMANİ-NASAB E., YARMAN B. S. B., Project Supported by Higher Education Institutions, Sum-Rate Based Opportunistic Relay Selection With Channel Estimation Error For A Dual Hop Multiple Half/Full-Duplex Bi-directional Wireless Relaying Networks, 2017 - 2017

ZAİM GÖKBAY İ., SAYDAM M. B., YARMAN B. S. B., YÜCEL V., HAYRAN R., AKSOY N., Project Supported by Higher Education Institutions, Çocuklarda ve Ergenlerde Riskli Davranışları Öngörebilme ve Prevansiyon, 2014 - 2017

ÖZDURAN V., YARMAN B. S. B., CİOFFİ J. M., Project Supported by Higher Education Institutions, Impact of Channel Estimation Error on Physical Layer Security in Dual-Hop Half/Full-Duplex Two-Way Wireless Relaying Networks, 2016 - 2016

YARMAN B. S. B., TÜBİTAK Project, Genişband Mikrodalga Yükselteç Tasarımı İçin Yarı Analitik Yöntemler Geliştirilmesi Ve Bir Yükselteç Üretimi, 2013 - 2015

Metrics

Publication: 192

Citation (WoS): 486

Citation (Scopus): 560

H-Index (WoS): 13

H-Index (Scopus): 13

Congress and Symposium Activities

18. Mediterranean Microwave Symposium (MMS 2018), Attendee, İstanbul, Turkey, 2018

IEEE 14th Mediterranean Microwave Symposium MMS 2014, Attendee, Marrakech, Morocco, 2014

13. Mediterranean Microwave Symposium (MMS 2013), Attendee, Lebanon, 2013

12. Mediterranean Microwave Symposium (MMS 2012), Attendee, İstanbul, Cyprus (Kktc), 2012

IEEE Applied Electromagnetics Conference, Attendee, Kolkata, India, 2011

10. Mediterranean Microwave Symposium (MMS 2010), Attendee, İstanbul, Turkey, 2010

IEEE Applied Electromagnetics Conference, Attendee, India, 2009

Awards

YARMAN B. S. B., IEEE FELLOW, IEEE, January 2004

YARMAN B. S. B., Bilim ve Teknolojide "Yılın Bilim Adamı" Ödülü, Cambridge Biography Center, Cambridge, İngiltere, January 1998

YARMAN B. S. B., Devreler ve Sistemler Konusunda "Chapter of the Year" Ödülü, IEEE, January 1994

YARMAN B. S. B., TÜBİTAK Hüsamettin Tugaç Vakfı Teknoloji Ödülü, TÜBİTAK, January 1987

YARMAN B. S. B., Alexander Von Humboldt Araştırma Ödülü, Alexander Von Humboldt Araştırma Ödülü, January 1987

YARMAN B. S. B., TÜBİTAK Teşvik Ödülü, TÜBİTAK, January 1986