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International Researcher IDs

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Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği A.B.D., Turkey
1997 - 2003

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektronik Mühendisliği A.B.D.,
Turkey 1995 - 1997

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü,
Turkey 1991 - 1995

Foreign Languages

German, B1 Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, Ağırlıklı Toparlama Dizili DD/KBÇE İletişim Sistemleri için Yayma Kodlarının Tanımlanmasında ve En İyilerinin Belirlenmesinde Yeni Yaklaşımlar, Erciyes Üniversitesi, Fen Bilimleri, Elektronik Mühendisliği , 2003

Postgraduate, Güvenli Haberleşme için Kaotik İşaretlerin ve Sistemlerin İncelenmesi, Erciyes Üniversitesi, Fen Bilimleri, Elektronik Mühendisliği , 1997

Research Areas

Communication Engineering, Information Theory, Communication System Theory, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Elektrik-Elektronik Bölümü, 2014 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2009 - 2014

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2003 - 2009

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 1995 - 2003

Academic and Administrative Experience

Head of Department, Erciyes University, 2016 - 2022

BAP Scientific Commissioner, Erciyes University, 2009 - 2022

Director of Continuing Education Center, Erciyes University, 2018 - 2021

Erciyes Üniversitesi, Mühendislik Fakültesi, 2012 - 2013

Erciyes Üniversitesi, Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölümü, 2009 - 2011

Erciyes University, 2009 - 2011

Erciyes Üniversitesi, Mühendislik Fakültesi Elektrik-Elektronik Müh. Bölümü, 2007 - 2008

Erciyes University, 2007 - 2008

Courses

Yaylı Spektrum Haberleşmesi, Postgraduate, 2017 - 2018

Optik Haberleşme, Undergraduate, 2017 - 2018

Uydu Haberleşme Sistemleri, Postgraduate, 2017 - 2018

Sezim ve Kestirim Teorisi, Doctorate, 2017 - 2018

Bilgisayar Programlama 1, Undergraduate, 2017 - 2018

Biyoteleometri, Undergraduate, 2017 - 2018

Kablosuz & Gezgin Haberleşme, Undergraduate, 2017 - 2018

Mühendisler için Lineer Cebir, Undergraduate, 2017 - 2018

Haberleşme Sistemlerinin Simülasyonu, Postgraduate, 2017 - 2018

Advising Theses

Develi İ., Enerji Algılama Tabanlı İşbirlikçi Online Öğrenme Algoritması Kullanılarak Bilişsel Radyo Ağlarında Spektrum Algılama Başarımının İyileştirilmesi, Doctorate, K.Koçkaya(Student), 2021

Develi İ., Gültekin S. S., İşbirlikli Uzaysal Modülasyonun Farklı Sönümlenmeli Kanallardaki Performans Analizi, Doctorate, A.Elif(Student), 2019

DEVELİ İ., Çöz ve Aktar İşbirlikli İletişim Teknikleri Kullanan Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Performans Analizi, Doctorate, M.Bilim(Student), 2018

DEVELİ İ., Kuvvetlendir ve Aktar İşbirlikli İletim Tekniğini Kullanan DD-KBÇE Sistemlerinin Sönümlü Kanallardaki Performans İfadelerinin Türetilmesi, Doctorate, N.Kapucu(Student), 2017

Develi İ., Türkmen M., Ultra Geniş Bant (UGB) Haberleşme Sistemleri için Mikroşerit Yama Anten Tasarımı, Postgraduate, F.Altuntaş(Student), 2016

DEVELİ İ., Bina İçi Enerji Hattı İletişiminde Yeni Bir Kanal Modeli için Sistem Performansının İncelenmesi, Doctorate, Y.Kabalıcı(Student), 2015

DEVELİ İ., GSM 900 ve GSM 1800 Radyasyonunun in Vitro ve Meyve Suyunda Çeşitli Mikroorganizmalar ile Antioksidan Özellikler Üzerine Etkileri, Postgraduate, Ş.Merve(Student), 2012

DEVELİ İ., Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Yeni Serpiştirme Yaklaşımları ile Bit Hata Oranı Başarımının İncelenmesi, Postgraduate, M.Bilim(Student), 2012

DEVELİ İ., İşbirlikli Haberleşme Sistemlerinin Farklı Sönümlü Kanallardaki Başarım Analizleri için Yeni Matematiksel İfadelerin Türetilmesi, Postgraduate, N.Kapucu(Student), 2012

DEVELİ İ., Erciyes Üniversitesi Kampüsünde GSM900 ve GSM1800 Şebekelerinin Oluşturduğu Elektromanyetik Kirliliğin Ölçülmesi ve Değerlendirilmesi, Postgraduate, U.Sorgucu(Student), 2011

- DEVELİ İ., Farksal Gelişim Algoritmasının Çok Girişli Çok Çıkışlı Sistemlerde Optimum Anten Konfigürasyonuna Uygulanması, Erciyes Üniversitesi, Postgraduate, E.Nazife(Student), 2009
- DEVELİ İ., Değişik Kırmık Dalga Biçimlerinin Kullanıldığı Genelleştirilmiş ÇT DD-KBÇE Sisteminde Optimum Alttaşyıcı Aralığın Değişiminin İncelenmesi, Postgraduate, K.Koçkaya(Student), 2008
- DEVELİ İ., Başlangıç Evre Optimizasyonlu Gürültü Benzeri Kod Dizilerin Kullanıldığı ÇGÇÇ-KBÇE Sistemlerin Başarım Analizi, Postgraduate, M.Filiz(Student), 2007
- DEVELİ İ., Çokyollu Nakagami-m Sönümlü Kanallarda Genelleştirilmiş ÇT DD-KBÇE Sisteminin Performans Analizi, Postgraduate, S.Şener(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Error analysis of OFDM-IM systems for beyond 5G: The effect of IQI at transceiver**
Ceniklioglu B., DEVELİ İ., Canbilen A. E.
International Journal of Communication Systems, 2024 (SCI-Expanded)
- II. **The Effect of Hardware Impairments on the Error Bounds of Localization and Maximum Likelihood Estimation of $\langle \text{inline-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \$mm\$ \langle / \text{tex-math} \rangle \langle / \text{inline-formula} \rangle$ Wave MISO-OFDM Systems**
Tubail D., Ceniklioglu B., Canbilen A. E., DEVELİ İ., Ikki S. S.
IEEE Transactions on Vehicular Technology, vol.72, no.3, pp.4063-4067, 2023 (SCI-Expanded)
- III. **Investigation of S1046 profile bladed vertical axis wind turbine and artificial intelligence-based performance evaluation**
Osmanli S., AKANSU S. O., AZGINOĞLU N., Akansu Y. E., DEVELİ İ.
Energy Sources, Part A: Recovery, Utilization and Environmental Effects, vol.45, no.3, pp.8771-8790, 2023 (SCI-Expanded)
- IV. **Error Bounds for 3D Localization and Maximum Likelihood Estimation of mm-Wave MISO OFDM Systems in the Presence of Hardware Impairments**
Tubail D. A., Ceniklioglu B., Canbilen A. E., DEVELİ İ., Ikki S.
IEEE COMMUNICATIONS LETTERS, vol.26, no.9, pp.2042-2046, 2022 (SCI-Expanded)
- V. **Effects of GSM 1800 band radiation on composition, structure and bioactivity of exopolysaccharides produced by yoghurt starter cultures**
Karataş Ş. M., Ekici L., Develi İ., Dertli E., Sağdıç O.
ARCHIVES OF MICROBIOLOGY, vol.203, no.4, pp.1697-1706, 2021 (SCI-Expanded)
- VI. **Spectrum sensing in cognitive radio networks: threshold optimization and analysis**
Koçkaya K., Develi İ.
EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING, vol.2020, no.1, 2020 (SCI-Expanded)
- VII. **Joint Impact of I/Q Imbalance and Imperfect CSI on SM-MIMO Systems Over Generalized Beckmann Fading Channels: Optimal Detection and Cramer-Rao Bound**
Canbilen A. E., Ikki S. S., Basar E., Gultekin S. S., DEVELİ İ.
IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, vol.19, no.5, pp.3034-3046, 2020 (SCI-Expanded)
- VIII. **Impact of I/Q Imbalance on Amplify-and-Forward Relaying: Optimal Detector Design and Error Performance**
Canbilen A. E., Ikki S. S., Basar E., Gultekin S. S., DEVELİ İ.
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.67, no.5, pp.3154-3166, 2019 (SCI-Expanded)
- IX. **Spatial Modulation in the Presence of I/Q Imbalance: Optimal Detector & Performance Analysis**
Canbilen A. E., Alsmadi M. M., Basar E., Ikki S. S., Gultekin S. S., DEVELİ İ.
IEEE COMMUNICATIONS LETTERS, vol.22, no.8, pp.1572-1575, 2018 (SCI-Expanded)
- X. **Application of best relay selection approach to cooperative DF IDMA systems over Rayleigh/Weibull fading channels**
BİLİM M., KAPUCU N., DEVELİ İ.
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, vol.31, no.5, 2018 (SCI-Expanded)

- XI. **A comprehensive performance analysis of relay-aided CDMA communications over dissimilar fading channels**
KAPUCU N., BİLİM M., DEVELİ İ.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.83, pp.339-347, 2018 (SCI-Expanded)
- XII. **Average symbol error rate and outage probability of DS-CDMA systems with AF relaying over asymmetric fading channels**
KAPUCU N., BİLİM M., DEVELİ İ.
PHYSICAL COMMUNICATION, vol.23, pp.76-83, 2017 (SCI-Expanded)
- XIII. **Cooperative IDMA systems with regenerative relays over Weibull fading channels: outage probability and error analysis**
BİLİM M., KAPUCU N., DEVELİ İ.
IET COMMUNICATIONS, vol.11, no.7, pp.993-999, 2017 (SCI-Expanded)
- XIV. **Outage performance of cooperative DS-CDMA systems with best path selection over α - μ fading channels**
KAPUCU N., BİLİM M., DEVELİ İ.
ELECTRONICS LETTERS, vol.53, no.11, pp.752-754, 2017 (SCI-Expanded)
- XV. **A Closed-Form Approximate BEP Expression for Cooperative IDMA Systems over Multipath Nakagami-m Fading Channels**
BİLİM M., KAPUCU N., DEVELİ İ.
IEEE COMMUNICATIONS LETTERS, no.20, pp.1599-1602, 2016 (SCI-Expanded)
- XVI. **How to prepare head tissue-equivalent liquids for SAR calculations, dosimetry and hyperthermia researches at 900 and 1800 MHz GSM frequencies**
Sorgucu U., DEVELİ İ., ÖZEN Ş.
RADIATION PROTECTION DOSIMETRY, vol.168, no.3, pp.365-373, 2016 (SCI-Expanded)
- XVII. **Performance of Two-Hop DS-CDMA Systems Using Amplify-and-Forward Protocol over Different Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.22, no.1, pp.97-101, 2016 (SCI-Expanded)
- XVIII. **Effect of repetition coding on the BER performance of interleaved-division multiple access systems**
BİLİM M., KAPUCU N., DEVELİ İ.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.3, pp.1412-1420, 2016 (SCI-Expanded)
- XIX. **A comparative simulation study on the performance of LDPC coded communication systems over Weibull fading channels**
DEVELİ İ., Kabalci Y.
Journal of Applied Research and Technology, vol.14, no.2, pp.101-107, 2016 (SCI-Expanded)
- XX. **Artificial bee colony optimization for modelling of indoor PLC channels: A case study from Turkey**
DEVELİ İ., Kabalci Y., BAŞTÜRK A.
ELECTRIC POWER SYSTEMS RESEARCH, vol.127, pp.73-79, 2015 (SCI-Expanded)
- XXI. **A New Nakagami-m Inverse CDF Approximation Based on the Use of Genetic Algorithm**
BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.83, no.3, pp.2279-2287, 2015 (SCI-Expanded)
- XXII. **Computing resonant frequency of C-shaped compact microstrip antennas by using ANFIS**
Akdagli A., Kayabasi A., DEVELİ İ.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.102, no.3, pp.407-417, 2015 (SCI-Expanded)
- XXIII. **Performance of Two-Hop Relay Assisted Decode-and-Forward Transmission under Mixed Fading Environments**
KAPUCU N., BİLİM M., DEVELİ İ., Kabalci Y.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, no.1, pp.60-63, 2015 (SCI-Expanded)
- XXIV. **Dual-Hop N-Relay Assisted Transmission for IDMA Systems over Weibull Fading Channels**

- BİLİM M., KAPUCU N., DEVELİ İ.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.21, no.4, pp.69-72, 2015 (SCI-Expanded)
- XXV. **Performance of LDPC coded image transmission over realistic PLC channels for smart grid applications**
DEVELİ İ., Kabalci Y., BAŞTÜRK A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.62, pp.549-555, 2014 (SCI-Expanded)
- XXVI. **Highly reliable LDPC coded data transfer in home networks by using Canete's PLC channel model**
DEVELİ İ., Kabalci Y.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.62, pp.912-918, 2014 (SCI-Expanded)
- XXVII. **A Closed-Form MGF Expression of Instantaneous SNR for Weibull Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.77, no.2, pp.1605-1613, 2014 (SCI-Expanded)
- XXVIII. **Analysis of the Use of Different Decoding Schemes in LDPC Coded OFDM Systems over Indoor PLC Channels**
DEVELİ İ., Kabalci Y.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.20, no.10, 2014 (SCI-Expanded)
- XXIX. **SER Performance of Amplify-and-Forward Cooperative Diversity Over Asymmetric Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.73, no.3, pp.1117-1127, 2013 (SCI-Expanded)
- XXX. **Highly Accurate Analytic Approximation to the Gaussian Q-function Based on the Use of Nonlinear Least Squares Optimization Algorithm**
DEVELİ İ., BAŞTÜRK A.
JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, vol.159, no.1, pp.183-191, 2013 (SCI-Expanded)
- XXXI. **AN APPLICATION OF ARTIFICIAL NEURAL NETWORK TO COMPUTE THE RESONANT FREQUENCY OF E-SHAPED COMPACT MICROSTRIP ANTENNAS**
Akdagli A., Toktas A., Kayabasi A., DEVELİ İ.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTEHNIČKY CASOPIS, vol.64, no.5, pp.317-322, 2013 (SCI-Expanded)
- XXXII. **Outage Probability Analysis of Dual-Hop Decode-and-Forward Relaying Over Mixed Rayleigh and Generalized Gamma Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
WIRELESS PERSONAL COMMUNICATIONS, vol.71, no.2, pp.947-954, 2013 (SCI-Expanded)
- XXXIII. **High-order exponential approximations for the Gaussian Q-function obtained by genetic algorithm**
DEVELİ İ., Akdagli A.
INTERNATIONAL JOURNAL OF ELECTRONICS, vol.100, no.4, pp.553-562, 2013 (SCI-Expanded)
- XXXIV. **Approximate Expression of Bit Error Rate in Uplink MC-CDMA Systems with Equal Gain Combining**
DEVELİ İ., Akdagli A.
JOURNAL OF COMMUNICATIONS AND NETWORKS, vol.15, no.1, pp.25-30, 2013 (SCI-Expanded)
- XXXV. **IMPROVEMENT OF BER PERFORMANCE IN MIMO-CDMA SYSTEMS BY USING INITIAL-PHASE OPTIMIZED GOLD CODES**
DEVELİ İ., Filiz M.
JOURNAL OF ELECTRICAL ENGINEERING-ELEKTROTEHNIČKY CASOPIS, vol.64, no.1, pp.38-43, 2013 (SCI-Expanded)
- XXXVI. **A NEW APPROXIMATION BASED ON THE DIFFERENTIAL EVOLUTION ALGORITHM FOR THE GAUSSIAN Q-FUNCTION**
Develi İ.
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING INFORMATION AND CONTROL, vol.8, pp.7095-7102, 2012 (SCI-Expanded)
- XXXVII. **Optimum antenna configuration in MIMO systems: a differential evolution based approach**

- DEVELİ I, YAZLIK E. N.
WIRELESS COMMUNICATIONS & MOBILE COMPUTING, vol.12, no.6, pp.473-480, 2012 (SCI-Expanded)
- XXXVIII. **Measurement and analysis of electromagnetic pollution generated by GSM-900 mobile phone networks in Erciyes University, Turkey**
Sorgucu U., DEVELİ I.
ELECTROMAGNETIC BIOLOGY AND MEDICINE, vol.31, no.4, pp.404-415, 2012 (SCI-Expanded)
- XXXIX. **Modelling and analysis of a power line communication system with QPSK modem for renewable smart grids**
Kabalci E., Kabalcı Y., DEVELİ I.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.34, no.1, pp.19-28, 2012 (SCI-Expanded)
- XL. **BER Performance Simulation of Generalized MC DS-CDMA System with Time-Limited Blackman Chip Waveform**
DEVELİ I, Kockaya K.
RADIOENGINEERING, vol.19, no.3, pp.403-407, 2010 (SCI-Expanded)
- XLI. **Further performance analysis of the generalized MC DS-CDMA system in Nakagami-m fading channels**
Şener S., DEVELİ I, KARABOĞA N.
COMPUTERS & ELECTRICAL ENGINEERING, vol.35, no.1, pp.1-8, 2009 (SCI-Expanded)
- XLII. **Determination of optimum antenna number ratio based on differential evolution for MIMO systems under low SNR conditions**
DEVELİ I.
WIRELESS PERSONAL COMMUNICATIONS, vol.43, no.4, pp.1667-1673, 2007 (SCI-Expanded)
- XLIII. **A method for predicting rain attenuation in terrestrial point-to-point line of sight links at 97 GHz**
Develi I.
ANNALS OF TELECOMMUNICATIONS-ANNALES DES TELECOMMUNICATIONS, vol.62, pp.1035-1044, 2007 (SCI-Expanded)
- XLIV. **Differential evolution based prediction of rain attenuation over a LOS terrestrial link situated in the southern United Kingdom**
Develi I.
RADIO SCIENCE, vol.42, no.3, 2007 (SCI-Expanded)
- XLV. **Generalized neural method for shaping the exponential chip weighting waveforms in direct sequence CDMA systems**
Develi I., Kalinli A., Ciftlikli C.
FREQUENZ, vol.60, pp.60-64, 2006 (SCI-Expanded)
- XLVI. **An improved formula obtained by simulated annealing for the computation of maximum SINR for DS-CDMA receiver with exponentially weighted despreading function**
Ciftlikli C., Kalinli A., Develi I.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.17, no.1, pp.143-150, 2006 (SCI-Expanded)
- XLVII. **New results on the performance of multitone DS-CDMA systems in Nakagami-m fading channels**
Develi I.
IEICE TRANSACTIONS ON COMMUNICATIONS, no.12, pp.4675-4677, 2005 (SCI-Expanded)
- XLVIII. **A neuro-fuzzy computing technique for modeling laser-diode nonlinearity in a radio-over-fibre link**
Yuksel M. E., Develi I.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.15, no.3, pp.329-335, 2005 (SCI-Expanded)
- XLIX. **Detection of optimal spreading codes for DS-CDMA wireless systems with despreading sequences weighted by adjustable chip waveforms**
Develi I.
JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, vol.342, no.1, pp.69-84, 2005 (SCI-Expanded)

- L. **Bit error rate calculation for DS-CDMA systems with WDS in the presence of Rayleigh fading and power-control error**
Develi I., Ciftlikli C., Bagis A.
ADVANCES IN INFORMATICS, PROCEEDINGS, vol.3746, pp.776-786, 2005 (SCI-Expanded)
- LI. **A plausible approach to determine most suitable spreading codes for a direct-sequence CDMA system**
Ciftlikli C., Develi I.
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.31, no.2, pp.235-259, 2004 (SCI-Expanded)
- LII. **Application of multilayer perceptron networks to laser diode nonlinearity determination for radio-overfibre mobile communications**
Develi I.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.42, no.5, pp.425-427, 2004 (SCI-Expanded)
- LIII. **Computation of the tuning values of exponential chip weighting waveforms for DS-CDMA communications over AWGN channels**
Develi I., Ciftlikli C.
IEE PROCEEDINGS-COMMUNICATIONS, vol.151, no.2, pp.132-136, 2004 (SCI-Expanded)
- LIV. **A modified approach to determine the most appropriate spreading codes for a DS/CDMA system with exponentially weighted despreading sequences**
Ciftlikli C., Develi I.
JOURNAL OF INFORMATION SCIENCE AND ENGINEERING, vol.19, no.6, pp.1041-1057, 2003 (SCI-Expanded)
- LV. **On the use of neural network-based determination of weighted despreading sequences for a DS/CDMA system**
Ciftlikli C., Develi I.
ENGINEERING INTELLIGENT SYSTEMS FOR ELECTRICAL ENGINEERING AND COMMUNICATIONS, vol.11, no.3, pp.157-161, 2003 (SCI-Expanded)
- LVI. **A simple method for calculating the SINR in DS-CDMA systems with despreading sequences weighted by stepping chip waveforms**
Develi I., Ciftlikli C., Kalinli A.
CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE, vol.28, pp.163-167, 2003 (SCI-Expanded)
- LVII. **A simple and useful approach for the determination process of the weighted despreading sequences in a DS-CDMA system**
Ciftlikli C., Develi I.
EUROPEAN TRANSACTIONS ON TELECOMMUNICATIONS, vol.14, no.4, pp.361-366, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE THERMAL EFFECTS OF 900 MHz CELL PHONES ON THE BRAIN PHANTOM**
Sorgucu U., Develi İ.
Bartın University International Journal of Natural and Applied Sciences, vol.5, no.2, pp.101-113, 2022 (Peer-Reviewed Journal)
- II. **Error Analysis of the Joint Localization and Synchronization of RIS-Assisted mm-Wave MISO-OFDM Under the Effect of Hardware Impairments**
Cenklioglu B., Tubail D. A., Canbilen A. E., DEVELİ İ., İkki S. S.
IEEE Open Journal of the Communications Society, vol.3, pp.2151-2161, 2022 (ESCI)
- III. **Proposal of an experimental data and image transmission system and its possible application for remote monitoring smart grids**
DEVELİ İ., KABALCI Y.
Journal Of Applied Research And Technology, vol.15, no.3, pp.303-310, 2017 (Scopus)
- IV. **Mikrodenetleyici Kontrollü İki Kanallı Sayısal Osiloskop Tasarımı**

Kabalcı Y, DEVELİ İ, BİLİM M.

e-Journal of New World Sciences Academy (NWSA), Engineering Sciences,, vol.6, pp.162-169, 2011 (Peer-Reviewed Journal)

- V. **Improved Expression for the Average BEP of MC-CDMA Systems with MRC Diversity Reception**
DEVELİ İ.

ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.10, pp.1213-1218, 2010 (Peer-Reviewed Journal)

- VI. **Analysis of the Relationship between Multipath Fading and Optimum Subcarrier Spacing for Generalized MC DS-CDMA Systems**

DEVELİ İ., Şener S.

ISTANBUL UNIVERSITY JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, vol.7, pp.373-378, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Convolutional Neural Network-Based Classification of Facial Emotional Expressions and Computational Complexity Analysis**

Çakmak B., Develi İ.

1st International Conference on Frontiers in Academic Research , Konya, Turkey, 18 - 21 January 2023, pp.1-6

- II. **Deep Learning-Based Channel Estimation for OFDM Systems under Weibull Fading Channel Conditions**

Adıgüzel Ö., Develi İ.

3rd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 14 - 17 January 2023, pp.399-404

- III. **On the Performance of RIS-Assisted OFDM-IM: Impact of Hardware Impairments**

Ceniklioğlu B., DEVELİ İ., Canbilen A. E.

2023 IEEE Symposium on Wireless Technology and Applications, ISWTA 2023, Hybrid, Kuala Lumpur, Malaysia, 15 - 16 August 2023, vol.2023-August, pp.24-28

- IV. **Reconfigurable Intelligent Surface-Assisted OFDM-IM for beyond 5G Mobile Networks: ML and LLR Detector Designs**

Ceniklioğlu B., DEVELİ İ., Canbilen A. E.

1st IEEE International Conference on Contemporary Computing and Communications, InC4 2023, Bangalore, India, 21 - 22 April 2023

- V. **FPGA Implementation of OFDM-IM Systems over Weibull Fading Channels**

Conger S., Ceniklioğlu B., Develi İ.

3rd International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 11 - 12 December 2022, pp.1687-1692

- VI. **Performance Analysis of OFDM-IM Systems over Generalized κ - μ and η - μ Fading Channels**

Lafci M., Ceniklioğlu B., Canbilen A. E., Develi İ.

2022 Second International Conference on Next Generation Intelligent Systems (ICNGIS), Kolkata, India, 29 - 31 July 2022, pp.1-5

- VII. **Investigation of the Effect of High Level Modulations on the Performance of OFDM-IM Systems over Weibull and Nakagami-m Fading Channels**

Conger S., Ceniklioğlu B., Develi İ.

3rd International Conference on Applied Engineering and Natural Sciences (ICAENS'2022), Konya, Turkey, 20 - 23 July 2022, pp.1396-1401

- VIII. **Analysis of Average Bit Error Rate for OFDM-IM Systems with Hardware Impairments over Nakagami-m and Weibull Fading Channels**

Ceniklioğlu B., Develi İ., Canbilen A. E., Lafci M.

International Conference on Computing, Communication, Security and Intelligent Systems (IC3SIS'22), Abohar,

India, 23 - 25 June 2022, pp.1-6

- IX. Performance Analysis of Different High Level Modulation Techniques for OFDM-IM System**
Conger S., Ceniklioğlu B., Develi İ.
2nd International Cappadocia Scientific Research Congress, Nevşehir, Turkey, 17 - 19 June 2022, pp.1515-1524
- X. Thermal Analysis of Biological Tissues Exposed To Electromagnetic Fields by Using Pennes' Bio-Heat Transfer Equation**
Sorgucu U., Develi İ.
2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), 29 - 31 July 2021, pp.1-6
- XI. Effects of Charging Lithium-Ion Cells with Zero Termination Current on the State of Health (SoH) for Energy Storage Systems**
Kök A. E., Develi İ.
7th World Congress on Electrical Engineering and Computer Systems and Sciences (EECSS'21), 29 - 31 July 2021, pp.1121-1128
- XII. Determination of Electrical Values of Tissue Equivalent Liquids Prepared for 900 MHz Frequency by Using Soft Computing Methods**
Sorgucu U., Develi İ.
2021 IEEE International Conference on Electronics, Computing and Communication Technologies (IEEE CONECCCT 2021), 7 - 11 July 2021, pp.1-6
- XIII. Spectrum Detection Performance of HSTLBO Based Energy Sensing Algorithm in Cognitive Radio Networks**
KOÇKAYA K., DEVELİ İ.
2019 27th Signal Processing and Communications Applications Conference (SIU), Sivas, Turkey, Turkey, 24 - 26 April 2019, pp.1-4
- XIV. ENERJİ ALGILAMA TABANLI HSTLBO ALGORİTMASININ WEİBULLSÖNÜMLÜ KANALDAKİ SPEKTRUM ALGILAMA BAŞARIM ANALİZİ**
KOÇKAYA K., DEVELİ İ.
Munzur 1. Uygulamalı Bilimler Kongresi, Tunceli, Turkey, 24 - 26 May 2019, vol.1, pp.303-315
- XV. Bilişsel Radyo Ağlarında Çevrimiçi Öğrenme Tabanlı İşbirlikçi Spektrum Algılama Algoritmasının Sönümlü Kanallardaki Başarımı**
KOÇKAYA K., DEVELİ İ.
3rd International Symposium on Innovative Approaches in Scientific Studies ISAS 2019, Ankara, Turkey, 19 - 21 April 2019, vol.4, pp.153-157
- XVI. Imperfect CSI and Improper Gaussian Noise Effects on SSK: Optimal Detection and Error Analysis**
ALSMADI M. M., CANBİLEN A. E., IKKI S. S., BAŞAR E., GÜLTEKİN S. S., DEVELİ İ.
IEEE Global Communications Conference (GLOBECOM), Abu Dhabi, United Arab Emirates, 9 - 13 December 2018
- XVII. On the NOMA Technology as a Challenging Candidate for Future 5G**
DEVELİ İ., . v.
Cilicia International Symposium on Engineering and Technology (CISSET 2018), Mersin, Turkey, 26 - 27 October 2018, pp.57-60
- XVIII. A Review of Modulation and Waveform Candidates for 5G**
ceniklioğlu b., Özen A., DEVELİ İ.
2nd International Scientific and Vocational Studies Congress-Engineering and Natural Sciences, Nevşehir, Turkey, 5 - 08 July 2018, pp.1
- XIX. ZT DWT-S OWDM: A New Waveform for PAPR Reduction OWDM Waveform**
ceniklioğlu b., Özen A., DEVELİ İ.
41st International Conference on Telecommunications and Signal Processing, Atina, Greece, 4 - 06 July 2018, pp.13-16
- XX. ZT DWT-S OWDM: A New Waveform for PAPR Reduction**
CENİKLİOĞLU B., ÖZEN A., DEVELİ İ.
2018 41st International Conference on Telecommunications and Signal Processing (TSP), 4 - 06 July 2018

- XXI. **5G ve Ötesi için Sıfır Sonlu Ayrık Dalgacık Dönüşümü Yayılmalı OFDM Sistemi**
ceniklioğlu b., Özen A., DEVELİ İ.
26. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU-2018), İzmir, Turkey, 2 - 05 May 2018, pp.1-4
- XXII. **Zero-Tail Discrete Wavelet Transform Spread OFDM System for 5G and Beyond**
CENİKLİOĞLU B., ÖZEN A., DEVELİ İ.
26th Signal Processing and Communications Applications Conference (SIU), 2 - 05 May 2018
- XXIII. **Bilişsel Radyo Ağlarında Spektrum Algılama için Çevrimiçi Öğrenme Algoritmasına Dayalı Optimum Eşik Modeli**
KOÇKAYA K., DEVELİ İ.
1st International Symposium on Innovative Approaches in Scientific Studies, 11 - 13 April 2018
- XXIV. **Optimal Threshold Model based on an Online Learning Algorithm for Spectrum Sensing in Cognitive Radio Networks (in Turkish)**
Koçkaya K., DEVELİ İ.
1st International Symposium on Innovative Approaches in Scientific Studies, Antalya, Turkey, 11 - 13 April 2018, pp.444-449
- XXV. **FANTOMLARDA KULLANILAN KİMYASALLARIN ELEKTRİKSEL PARAMETRELER ÜZERİNE ETKİLERİNE İLİŞKİN SİSTEMATİK BİR ANALİZ**
ERDOĞMUŞ E., KURTÇA M., DEVELİ İ.
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- XXVI. **The Influence of Layout Shape on the Performance of a Light Sources Arrangement in an Indoor visible Light Communication**
Mustapha M., DEVELİ İ.
8th International Advanced Technologies Symposium (IATS17), Elazığ, Turkey, 19 - 21 October 2017, pp.1445-1455
- XXVII. **BER analysis of SM-MIMO systems with MRC detectors over Weibull fading channels**
CANBİLEN A. E., GÜLTEKİN S. S., DEVELİ İ.
2017 25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, Turkey, 15 - 18 May 2017
- XXVIII. **En İyi Röle Seçimli DF IDMA Sistemlerin Rayleigh/Weibull Kanallardaki Servis-Dışı Kalma Olasılığının Türetilmesi**
BİLİM M., KAPUCU N., DEVELİ İ.
IEEE 25. SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI, Antalya, Turkey, 16 - 18 May 2017, pp.1-4
- XXIX. **Tam Seçim Çeşitlemeli AF DS-CDMA Sistemlerin α - μ Sönümlü Kanallarda Servis-Dışı Kalma Olasılığı**
KAPUCU N., BİLİM M., DEVELİ İ.
IEEE 25. SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI, Antalya, Turkey, 16 - 18 May 2017, pp.1-4
- XXX. **Outage Probability of AF DS-CDMA Systems using Full Selection Diversity over alpha-eta-mu Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
2017 25TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXXI. **Derivation of Outage Probability for DF IDMA Systems with Best Relay Selection over Rayleigh/Weibull Channels**
BİLİM M., KAPUCU N., DEVELİ İ.
2017 25TH SIGNAL PROCESSING AND COMMUNICATIONS APPLICATIONS CONFERENCE (SIU), Antalya, Turkey, 15 - 18 May 2017
- XXXII. **Visible Light Communication: A Tool For Addressing Radio Frequency Spectrum Congestion**
mustapha m., DEVELİ İ.
International Conference on Advances and Inovations in Engineering, 10 - 12 May 2017
- XXXIII. **Dual-Hop Decode-and-Forward IDMA Networks over Nakagami-m Fading Channels**
BİLİM M., KAPUCU N., DEVELİ İ.
International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016,

pp.807-810

- XXXIV. **Performance of Dual-Hop DS-CDMA Systems with AF Relaying over Rician Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Turkey, 1 - 03 September 2016, pp.811-814
- XXXV. **Outage Probability of DF IDMA Networks with Best Relay Selection in Weibull Fading**
BİLİM M., KAPUCU N., DEVELİ İ.
2nd World Congress on Electrical Engineering and Computer Systems and Science (EECSS'16), Budapeşte, Hungary, 16 - 17 August 2016, pp.1-8
- XXXVI. **An Analytical Study for Two-Hop Amplify-and-Forward DS-CDMA Systems over Rayleigh/Nakagami-m Fading Channels**
KAPUCU N., BİLİM M., DEVELİ İ.
2nd World Congress on Electrical Engineering and Computer Systems and Science (EECSS'16), Budapeşte, Hungary, 16 - 17 August 2016, pp.1-7
- XXXVII. **Head Equivalent Liquids A Review on Composing Recipes and Standards**
SORGUCU U., DEVELİ İ.
2nd World Congress on Electrical Engineering and Computer Systems and Science (EECSS'16), 16 - 17 August 2016
- XXXVIII. **Design of microstrip patch antenna with diamond shaped tuning slots for UWB communications**
Altuntaş F., DEVELİ İ., TÜRKMEN M.
Signal Processing and Communication Application Conference (SIU), 2016 24th, 16 - 19 May 2016
- XXXIX. **UWB Haberleşmesi için Elmas Şeklindeki Ayarlamaya Yarıklarına Sahip Mikroserit Yama Anten Tasarımı**
Altuntaş F., DEVELİ İ., TÜRKMEN M.
24. Sinyal İşleme ve İletişim Uygulamaları Kurultayı (SİU), 16 - 19 May 2016
- XL. **Temperature Distribution of Head Tissue Equivalent Liquid Exposed to 900 MHz Mobile Phone Radiation under Varying Conditions Multiuser Communications for Broadband Indoor Power Line Channels using IDMA Technology**
SORGUCU U., DEVELİ İ., ÖZEN Ş.
World Congress on Electrical Engineering and Computer Systems and Science, Barcelona, Spain, 13 - 14 July 2015, pp.1-6
- XLI. **İşbirlikli DD-KBÇE Sistemlerin Weibull/Rayleigh Sönümlü Kanallarda BHO Analizi**
KAPUCU N., DEVELİ İ., BİLİM M.
IEEE 23. SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI, Malatya, Turkey, 16 - 19 May 2015, pp.888-891
- XLII. **Çöz Ve Aktar İşbirlikli Idma Sistemlerin Weibull Kanallarda Hata Başarım Değerlendirmesi**
BİLİM M., DEVELİ İ., KAPUCU N.
IEEE 23. SİNYAL İŞLEME VE İLETİŞİM UYGULAMALARI KURULTAYI, Malatya, Turkey, 16 - 19 May 2015, pp.880-883
- XLIII. **Serpiştirme bölmeli çoklu erişim sistemlerinin Nakagami-m sönümlü kanallardaki performansı**
BİLİM M., KAPUCU N., DEVELİ İ.
ELECO'2014, Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Bursa, Turkey, 27 - 30 November 2014, pp.509-512
- XLIV. **Multiuser Communications for Broadband Indoor Power Line Channels using IDMA Technology**
BİLİM M., DEVELİ İ., KABALCI Y.
The 4th IEEE International Conference on Power Engineering, Energy and Electrical Drives, Turkey, 1 - 04 May 2013, pp.1586-1590
- XLV. **Çöz-Ve-Aktar İşbirlikli Haberleşme Sistemlerinin Weibull Sönümlü Kanallardaki Performans Analizi**
KAPUCU N., BİLİM M., DEVELİ İ.
Elektrik - Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO '2012), Bursa, Turkey, 1 - 04 December 2012, pp.341-345
- XLVI. **Asimetrik Sönümlü Kanallarda İki Atlamalı Çöz-ve-Aktar Röleli İletimin Servis-dışı Kalma Olasılığının**

Analizi

BİLİM M., KAPUCU N., DEVELİ İ.

Elektrik - Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO '2012), Bursa, Turkey, 1 - 04 December 2012, pp.346-349

XLVII. A New Approach to Random Interleavers for Traditional IDMA Systems

BİLİM M., KAPUCU N., DEVELİ İ.

17th IEEE Symposium on Computers and Communications (ISCC'2012), Turkey, 1 - 04 July 2012, pp.209-212

XLVIII. An Adapted Block Interleaver Design for Interleave-Division Multiple Access Systems

BİLİM M., KAPUCU N., DEVELİ İ.

9th International Conference on Electronics, Computer and Computation (ICECCO'2012), Turkey, 1 - 04 June 2012, pp.108-111

XLIX. Development of the GSM System in Turkey and The Role of Base Stations on Electromagnetic Pollution

Sorgucu U., Kabalıcı Y., DEVELİ İ.

The Sixth International Advanced Technologies Symposium (IATS'2011), Turkey, 1 - 04 May 2012, pp.29-32

L. Elektromanyetik Güç Yoğunluğunun Kestiriminde Ekstrapolasyon Yaklaşımı

Sorgucu U., BİLİM M., DEVELİ İ., Durduran S.

MTS5, 5. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 1 - 04 April 2012, pp.87-90

LI. Weibull Ve Karma Serpiştirici Kullanan IDMA Sistemlerinin Bit Hata Oranı Başarımı

BİLİM M., DEVELİ İ., KAPUCU N.

20. IEEE Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Muğla, Turkey, 1 - 04 April 2012, pp.1-4

LII. Cep Telefonlarından Yayılan Elektromanyetik Enerji ile SAR Değeri Arasındaki İlişkinin Deneysel Olarak Doğrulanması

BİLİM M., KAPUCU N., KABALCI Y., DEVELİ İ.

EMANET 2011, Elektromanyetik Alanlar ve Etkileri Sempozyumu, İstanbul, Turkey, 1 - 04 October 2011, pp.1-4

LIII. GSM 900 MHz Frekans Bandındaki Elektromanyetik Yoğunluğun Günün Farklı Zaman Dilimleri için Ölçülmesi ve Değerlendirilmesi

BİLİM M., Kabalıcı Y., DEVELİ İ.

FEEB 2011, Elektrik-Elektronik Bilgisayar Sempozyumu, Elazığ, Turkey, 1 - 04 October 2011, pp.195-199

LIV. Arama ve Aranma Sırasında GSM 900 MHz Cep Telefonunun Yaydığı Elektromanyetik Radyasyonun Değişiminin Deneysel Olarak Gözlenmesi

KAPUCU N., DEVELİ İ., SORGUCU U.

Elektrik-Elektronik ve Bilgisayar Sempozyumu 2011, Elazığ, Turkey, 1 - 04 October 2011, pp.207-211

LV. Modeling the Effect of Extremely Low Frequency Electromagnetic Field on the Level of Hydroxyproline in the Skin by using ANFIS

Sorgucu U., Kabalıcı Y., DEVELİ İ., BİLİM M.

The Sixth International Advanced Technologies Symposium (IATS'2011), Turkey, 1 - 04 May 2011, pp.111-114

LVI. Aşırı Düşük Frekanslı Elektromanyetik Alanın Derideki Hidroksiprolin Seviyesi Üzerine Olan Etkisinin ANFIS Kullanılarak Modellenmesi

Sorgucu U., Kabalıcı Y., DEVELİ İ., BİLİM M.

IATS 11, 6th International Advanced Technologies Symposium, Elazığ, Turkey, 1 - 04 May 2011, pp.111-114

LVII. Dikgen Çok-Taşıyıcılı DD-KBÇE'de Ortalama Güç Zayıflama Oranının BHO Başarımına Etkisinin Değerlendirilmesi

DEVELİ İ., KARABOĞA N., Şener S.

Union Radio Scientifique Internationale (URSI) Türkiye Ulusal Komitesi, 3. Bilimsel Kongresi, Ankara, Turkey, 1 - 04 September 2006, pp.496-498

LVIII. Farklı Ortalama Güç Zayıflama Oranlı Genelleştirilmiş ÇT DD-KBÇE'de Alt Taşıyıcı Sayısının Bit Hata Oranına Etkisi

DEVELİ İ., KARABOĞA N., Şener S.

II. İletişim Teknolojileri Ulusal Sempozyumu-İTUSEM, Adana, Turkey, 1 - 04 November 2005, pp.139-143

LIX. Bit Error Rate Calculation for DS-CDMA Systems with WDS in the Presence of Rayleigh Fading and

Power-Control Error (published in LNCS 3746)

DEVELİ İ., ÇİFLİKLİ C., BAĞIŞ A.

Advances in Informatics - Proc. 10th Panhellenic Conference on Informatics (PCI'2005), Greece, 1 - 04 November 2005, pp.776-786

- LX. **A New Look at BER Expression of a Coherent DS-CDMA Receiver with Weighted Despreading Function in a Realistic Fading Environment**
DEVELİ İ., ÇİFLİKLİ C., TÜRKAY Y., ALAT G.
3rd Int. Conference on Electrical and Electronics Engineering (ELECO'2003), Turkey, 1 - 04 December 2003, pp.355-359
- LXI. **Determination of most appropriate spreading sequences for a DS/CDMA system by using a modified approach**
ÇİFLİKLİ C., DEVELİ İ., CETINKAYA B.
11th IEEE Mediterranean Electrotechnical Conference (IEEE MELECON 2002), Cairo, Egypt, 7 - 09 May 2002, pp.16-20
- LXII. **An Improved Approach to Determine Most Suitable Spreading Codes for a Direct-Sequence Code-Division Multiple Access System**
ÇİFLİKLİ C., DEVELİ İ.
Int. Conference on Fundamentals of Electronics, Communications and Computer Sciences (ICFS'2002), Japan, 1 - 04 March 2002
- LXIII. **A Code Selection Criterion for a DS-CDMA System Using Despreading Sequences Weighted by Stepping Chip Waveforms**
DEVELİ İ., ÇİFLİKLİ C.
2nd Int. Conference on Electrical and Electronics Engineering (ELECO'2001), Turkey, 1 - 04 December 2001, pp.322-326
- LXIV. **Effect of Neural Network-Based Tuning Process on Performance of DS-CDMA Receiver Using Exponentially Weighted Despreading Waveforms**
ÇİFLİKLİ C., DEVELİ İ., ALKAN M.
3rd Int. Conference on Information, Communications, and Signal Processing (ICICS'2001), Singapore, 1 - 04 October 2001
- LXV. **A Simple Method Based on Neural Network for Adjusting Stepping Chip Waveforms Used to Weight Despreading Sequences Employed by DS/CDMA System**
ÇİFLİKLİ C., DEVELİ İ., KARABOĞA N.
10th Turkish Symposium on Artificial Intelligence and Neural Networks (TAINN'2001), Cyprus (Kktc), 1 - 04 June 2001, pp.86-93
- LXVI. **A Simple and Efficient Tuning Process for DS-CDMA Receiver using Despreading Sequences Weighted by Exponential Chip Waveforms**
ÇİFLİKLİ C., DEVELİ İ., KARABOĞA N.
Electrical, Electronic and Computer Engineering Symposium (NEU-CEE'2001), Cyprus (Kktc), 1 - 04 May 2001, pp.144-147
- LXVII. **"A Design for Transmitting an Ambient Temperature via RF Modulation**
ÇİFLİKLİ C., DEVELİ İ.
Int. Conference on Electrical and Electronics Engineering (ELECO'1999), Turkey, 1 - 04 December 1999, pp.205-206

Supported Projects

DEVELİ İ., ADIGÜZEL Ö., Project Supported by Higher Education Institutions, Yeni Yaklaşımlar Kullanılarak İndis Modülasyonlu Dikgen Frekans Bölmeli Çoğullama OFDM-IM Sistemlerinde Kanal Kestirimi, 2022 - Continues

DEVELİ İ., CÖNGER S., Project Supported by Higher Education Institutions, Yüksek Seviyeli Modülasyon Türleri Kullanan OFDM-IM Haberleşme Sistemlerinin Sönümlü Kanallardaki Başarım Analizi, 2022 - 2023

DEVELİ İ., KÖK A. E., Project Supported by Higher Education Institutions, ENERJİ DEPOLAMA SİSTEMLERİNDE KULLANILAN LİTYUM-İYON HÜCRELERİN SIFIR ŞARJ SONLANDIRMA AKIMI İLE ŞARJININ HÜCRENİN SAĞLIK DURUMUNA ETKİSİNİN İNCELENMESİ, 2019 - 2022

DEVELİ İ., KOÇKAYA K., Project Supported by Higher Education Institutions, Enerji Algılama Tabanlı İşbirlikçi Çevrimiçi Öğrenme Algoritması Kullanılarak Bilişsel Radyo Ağlarında Spektrum Algılama Başarımının İyileştirilmesi, 2016 - 2022

DEVELİ İ., İLTER Ş. M., Project Supported by Higher Education Institutions, GSM 900 ve 1800 Şebekesinden Kaynaklanan Radyasyonun Bazı Fermente Süt Ürünlerinin Kalite Değerleri Üzerine Etkisi, 2014 - 2021

DEVELİ İ., BAYRAM F., KARAÖMER K. B., Project Supported by Higher Education Institutions, Raspberry Pi Tabanlı Personel Devam Kontrol Sisteminin PDKS Geliştirilmesi, 2019 - 2020

DEVELİ İ., LAFCI M., Project Supported by Higher Education Institutions, UW-OFDM Tekniklerinin 5G Haberleşme Sistemleri için Kullanımının İncelenmesi, 2019 - 2020

AKANSU S. O., TEKŞİN S., ŞİMŞEK A., DEVELİ İ., AKANSU Y. E., TEKİN S. A., TUBITAK Project, Dikey Eksenli Türbinlerde İlk Hareket ve Verim Artırma Mekanizması Tasarımı, 2018 - 2019

AKANSU S. O., DEVELİ İ., TEKİN S. A., Akansu Y. E., TUBITAK Project, Dikey Eksenli Türbinlerde İlk Hareket ve Verim Artırma Mekanizması Tasarımı, 2017 - 2019

DEVELİ İ., Project Supported by Higher Education Institutions, 2G ve 3G Haberleşme Frekanslarındaki Dozimetri Hipertermia ve SAR Hesaplamaları için Beyin Eşdeğer Dokularının Oluşturulması ve Fantom Elektriksel Değerlerinin Esnek Hesaplama Yöntemleri İle Belirlenmesi, 2015 - 2019

DEVELİ İ., CENİKLİOĞLU B., ÖZEN A., Project Supported by Higher Education Institutions, 5. NESİL İLETİŞİM SİSTEMLERİ İÇİN OFDM'E ALTERNATİF YENİ OFDM TEKNİKLERİNİN GELİŞTİRİLMESİ, 2017 - 2018

DEVELİ İ., MUSTAPHA M., Project Supported by Higher Education Institutions, THE IMPACT OF LAYOUT SHAPE AND INTER-SYMBOL INTERFERENCE (ISI) ON THE PERFORMANCE OF LIGHT SOURCE ARRANGEMENT FOR INDOOR VISIBLE LIGHT COMMUNICATION, 2017 - 2018

DEVELİ İ., Project Supported by Higher Education Institutions, İşbirlikli İletişim Teknikleri Kullanarak DS-CDMA ve IDMA Sistemlerinin Farklı Sönümlü Kanallarda Başarımlarının Arttırılması, 2015 - 2018

DEVELİ İ., BİLİM M., Project Supported by Higher Education Institutions, Çöz ve Aktar İşbirlikli İletişim Teknikleri Kullanan Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Performans Analizi, 2014 - 2018

DEVELİ İ., ERDOĞMUŞ E., ÖZEN Ş., TUBITAK Project, 2G ve 3G Haberleşme Frekanslarındaki Dozimetri, Hipertermia ve SAR Hesaplamaları için Beyin Eşdeğer Dokularının Oluşturulması ve Fantom Elektriksel Değerlerinin Esnek Hesaplama Yöntemleri ile Belirlenmesi, 2015 - 2017

DEVELİ İ., TUBITAK Project, İşbirlikli İletişim Teknikleri Kullanarak DS-CDMA ve IDMA Sistemlerinin Farklı Sönümlü Kanallarda Başarımlarının Arttırılması, 2014 - 2017

DEVELİ İ., KAPUCU N., Project Supported by Higher Education Institutions, Kuvvetlendir ve Aktar İşbirlikli İletim Tekniğini Kullanan DD-KBÇE Sistemlerinin Sönümlü Kanallardaki Performans İfadelerinin Türetilmesi, 2014 - 2017

DEVELİ İ., BARİN B. S., Project Supported by Higher Education Institutions, Kuvözlerde Isı ve Nem Bilgisinin GSM Tabanlı Takibini Sağlayan Sistemin Tasarımı, 2016 - 2016

DEVELİ İ., TUBITAK Project, Cep Telefonu İle Anahtarsız Giriş Sistemi, 2014 - 2016

DEVELİ İ., TÜRKMEN M., ALTUNTAŞ F., Project Supported by Higher Education Institutions, ULTRA GENİŞ BANT (UGB) HABERLEŞME SİSTEMLERİ İÇİN MİKROŞERİT YAMA ANTEN TASARIMI, 2013 - 2016

DEVELİ İ., Project Supported by Higher Education Institutions, Bina İçi Enerji Hattı Kanalların Ölçülmesi ve Zeki Hesaplama Yöntemleriyle Modellenmesi, 2014 - 2015

DEVELİ İ., KABALCI Y., Project Supported by Higher Education Institutions, BİNA İÇİ ENERJİ HATTI İLETİŞİMİNDE YENİ BİR KANAL MODELİ İÇİN SİSTEM PERFORMANSININ İNCELENMESİ, 2012 - 2015

DEVELİ İ., TUBITAK Project, Ulusal Ölçekte Bina İçi Enerji Hattı Kanallarının Ölçülmesi ve Esnek Hesaplama Yöntemleriyle Modellenmesi, 2014 - 2014

DEVELİ İ., BİLİM M., KAPUCU N., Project Supported by Higher Education Institutions, İşbirlikli Haberleşme Sistemlerinin Farklı Sönümlü Kanallardaki Başarım Analizleri İçin Yeni Matematiksel İfadelerin Türetilmesi, 2011 - 2013

SAĞDIÇ O., İLTER Ş. M., DEVELİ İ., Project Supported by Higher Education Institutions, GSM 900 ve GSM 1800 Cep Telefonu Radyasyonu ve Ultraviyole Işığının Bazı Mikroorganizmaların Gelişimine Etkisi, 2011 - 2012

DEVELİ İ., BİLİM M., Project Supported by Higher Education Institutions, Serpiştirme Bölmeli Çoklu Erişim Sistemlerinin Yeni Serpiştirme Yaklaşımları ile Bit Hata Oranı Başarımının İncelenmesi, 2011 - 2012

DEVELİ İ., SORGUCU U., Project Supported by Higher Education Institutions, Erciyes Üniversitesi Kampüsünde GSM900 ve GSM1800 Şebekelerinin Oluşturduğu Elektromanyetik Kirliliğin Ölçülmesi, 2010 - 2011

DEVELİ İ., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Türkiye Ulusal Radyo Astronomi Gözlemevi Yer Seçimi Projesi-Türkiye Ulusal Radyo Astronomi Gözlemevi için Meteorolojik, Atmosferik Analizler ve Radyo Frekans (RF) Ölçümleri, 2008 - 2009

DEVELİ İ., FİLİZ M., Project Supported by Higher Education Institutions, BAŞLANGIÇ EVRE OPTİMİZASYONLU GÜRÜLTÜ BENZERİ KOD DİZİLERİNİN KULLANILDIĞI ÇOK KULLANICILI CDMA MIMO SİSTEMLERİN BAŞARIM ANALİZİ, 2007 - 2008

DEVELİ İ., KOÇKAYA K., Project Supported by Higher Education Institutions, DEĞİŞİK KIRMIK DALGA BİÇİMLERİNİN KULLANILDIĞI GENELLEŞTİRİLMİŞ ÇT DD-KBÇE SİSTEMİNDE, 2007 - 2008

DEVELİ İ., TUBITAK Project, Blackman ve Lanczos Kirmik Dalgabıçımlerinin Kullanıldığı Genelleştirilmiş Çoktaşıyıcı DD-KBÇE Sistemin Nakagami-m Sönümlü Kanallar üzerinden BHO Performansının Değerlendirilmesi, 2007 - 2008

DEVELİ İ., BAĞIŞ A., Project Supported by Higher Education Institutions, RAYLEİGH SÖNÜMLENMESİ VE GÜÇ KONTROL HATASI ETKİSİNDEKİ AĞIRLIK TOPARLAMA DİZİLİ DD-KBÇE SİSTEMİ İÇİN BASİTLEŞTİRİLMİŞ BİR HATA ORANI İFADESİNİN TÜRETİLMESİ, 2004 - 2006

Activities in Scientific Journals

International Journal of Mobile Communications, Publication Committee Member, 2010 - Continues

EURASIP JOURNAL ON WIRELESS COMMUNICATIONS AND NETWORKING, Assistant Editor/Section Editor, 2007 - 2022

Scientific Refereeing

Electronics Letters, SCI Journal, November 2018

Physical Communication, SCI Journal, November 2018

IEEE Access, SCI Journal, October 2018

International Journal of RF and Microwave Computer-Aided Engineering, SCI Journal, February 2018

AEU-International Journal of Electronics and Communications, SCI Journal, January 2017

Optical Fiber Technology, SCI Journal, February 2015

IEEE Antennas and Wireless Propagation Letters, SCI Journal, September 2014

IEEE Wireless Communications Letters, SCI Journal, September 2014

International Journal of Distributed Sensor Networks, SCI Journal, April 2014

Neural Computing & Applications, SCI Journal, February 2014

Annals of Telecommunications, SCI Journal, January 2014

International Journal of Electronics, SCI Journal, December 2012

China Communications, SCI Journal, November 2012

Turkish Journal of Electrical Engineering & Computer Sciences, SCI Journal, November 2012

IET Communications, SCI Journal, October 2012

International Journal of Electrical Power & Energy Systems, SCI Journal, December 2011

Scientific Research and Essays, Other Indexed Journal, May 2011

Wireless Networks, SCI Journal, October 2010

IET Wireless Sensor Systems, SCI Journal, October 2010

IET Circuits Devices & Systems, SCI Journal, May 2010

IEEE Transactions on Information Theory, SCI Journal, February 2010

International Journal of Communication Systems, SCI Journal, January 2010

EURASIP Journal on Advances in Signal Processing, SCI Journal, January 2010

Wireless Communications and Mobile Computing, SCI Journal, February 2009

Gazi University Journal of Science, Other Indexed Journal, January 2009

Computers & Electrical Engineering, SCI Journal, January 2008

Wireless Personal Communications, SCI Journal, January 2008
Mobile Networks & Applications, SCI Journal, December 2007
Digital Signal Processing, SCI Journal, June 2007
IEEE Transactions on Wireless Communications, SCI Journal, January 2007
Journal of Supercomputing, SCI Journal, January 2007
IEE Proceedings-Communications, SCI Journal, October 2006
Applied Artificial Intelligence, SCI Journal, July 2006
The Handbook of Computer Networks, Scientific / Professional Book Published by Renowned Publishing Houses, April 2006
IEEE Transactions on Signal Processing, SCI Journal, April 2006
IEEE Communications Letters, SCI Journal, January 2005
Computer Communications, SCI Journal, October 2004
European Transactions on Telecommunications, SCI Journal, January 2004

Metrics

Publication: 130

Citation (WoS): 263

Citation (Scopus): 112

H-Index (WoS): 8

H-Index (Scopus): 6