

Prof. RAMAZAN BAYINDIR

Personal Information

Email: bayindir@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/bayindir>

International Researcher IDs

ScholarID: uUDAtAAAAAJ

ORCID: 0000-0001-6424-0343

Publons / Web Of Science ResearcherID: A-4595-2018

ScopusID: 6506084880

Yoksis Researcher ID: 10136

Biography

Prof. Dr. Ramazan BAYINDIR, lisans eğitimini Gazi Üniversitesi Teknik Eğitim Fakültesi Elektrik Eğitimi Bölümü'nde Temmuz 1992'de tamamladı. Yüksek lisans ve doktora derecelerini sırasıyla 1998 ve 2002 yıllarında Gazi Üniversitesi Fen Bilimleri Enstitüsü'nden aldı.

Dr. Bayındır, Gazi Üniversitesi Teknik Eğitim Fakültesi Elektrik Eğitimi Bölümü'nde Öğretim Görevlisi ve Yrd. Doç. Dr. olarak görev yaptı. Gazi Üniversitesi Teknoloji Fakültesi Elektrik Elektronik Mühendisliği Bölümünde Doç. Dr. olarak görev yapan Dr. Bayındır, 2013 yılından itibaren Prof. Dr. unvanıyla görevine devam etmektedir. Temel çalışma alanları, yenilenebilir enerji kaynakları, mikro şebekeler, dağıtık üretim, akıllı şebeke uygulamaları ve PLC ile endüstriyel otomasyon uygulamalarıdır.

Dr. Bayındır, yıllık olarak düzenlenen "International Conference on Renewable Energy Research and Applications (ICRERA 2012-2018)", "16th International Power Electronics and Motion Control Conference and Exposition (PEMC 2014)" ve "International Conference on Power Engineering, Energy and Electrical Drives (POWERENG 2013)" isimli konferanslarda program başkanı olarak görev yaptı. Ayrıca, "Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji" isimli derginin baş editörlük görevi ve SCI indekste taranan birçok seçkin dergide konuk editör olarak görev yaptı. 2019 yılından itibaren "IEEE Senior Member" olan Dr. Bayındır'ın, çalışma alanları dahilinde 250'den fazla makale ve bildirisi bulunmaktadır. Ayrıca, 4 ulusal kitap ve 2 uluslararası kitapta yazar olarak yer almıştır. Birçok ulusal proje tamamlamış olan Dr. Bayındır, birçok Avrupa ülkesinin paydaş olduğu projede de görev almıştır.

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Turkey 1998 - 2002

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), Turkey 1995 - 1998

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Turkey 1989 - 1992

Research Areas

Energy, Direct Energy Conversion and Energy Storage, Power System Analysis, Generating Stations and Plants, Electric Power Transmission, Distribution and Protection, Renewable energy, High Voltage Technique

Academic Titles / Tasks

Professor, Gazi University, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - Continues

Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2007 - 2007

Lecturer, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2002 - 2007

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 1996 - 2002

Academic and Administrative Experience

Vice Rector, Gazi University, Rektörlük, 2020 - Continues

Rektörlük Kalite Komisyonu Üyesi, Gazi University, Rektörlük, 2020 - Continues

Head of Department, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2020 - 2020

Head of Department, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - 2019

Head of Department, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2016 - 2017

Fakülte Yönetim Kurulu Üyesi, Gazi University, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2015 - 2016

Director of Vocational School, Gazi University, Gazi Meslek Yüksekokulu, 2011 - 2012

Advising Theses

BAYINDIR R., Design And Analysis Of Metaheuristic Optimization-Based Hybrid Model For Photovoltaic Power Estimation, Doctorate, M.ÇOLAK(Student), 2020

BAYINDIR R., Fpga Based Fuzzy Logic Controller For Multiconverter In Dc Distributed Power Systems, Doctorate, M.Khalaf(Student), 2020

BAYINDIR R., FPGA based fuzzy logic controller for multiconverter in dc distributed power systems, Doctorate, M.KHALAF(Student), 2019

BAYINDIR R., Optimal placement of electric vehicle charging stations on a distribution network, Postgraduate, T.HARIGHI(Student), 2019

BAYINDIR R., Ac Module Design And Implementation For Solar Panels, Postgraduate, C.CAN(Student), 2019

BAYINDIR R., Householder yöntemi ile güç sistemlerinde küçük sinyal kararlılığının incelenmesi, Postgraduate, A.SABATI(Student), 2019

BAYINDIR R., Analysis Of Small Signal Stability With The Householder Method In Power Systems, Postgraduate, A.Sabati(Student), 2019

BAYINDIR R., Güç Sistemlerinde Gerilim Kararlılığının Optimizasyonunda Yeni Bir Akıllı Yöntem Geliştirilmesi Ve Uygulaması, Doctorate, S.ERMİŞ(Student), 2018

BAYINDIR R., Connection Criteria Of Roof Type Solar Energy Power Plants And To Distribution Facilities, Postgraduate, F.ÖNCİN(Student), 2018

BAYINDIR R., Dynamic Power Flow Monitoring And Voltage Stability Analysis On Energy Systems, Postgraduate, Ü.ÇETİNKAYA(Student), 2016

BAYINDIR R., A web-based educational tool for simulation of reactive power compensation with a synchronous motor, Postgraduate, S.VADİ(Student), 2014

BAYINDIR R., System design and application aimed at prevention of illegal electricity usage, Postgraduate, K.DEMİRTAŞ(Student), 2014

BAYINDIR R., Power factor correction with fixed capacitor thyristor controlled reactor, Postgraduate, A.KÖSE(Student), 2014

BAYINDIR R., Theoretical and experimental analysis of a pneumatic engine control system, Doctorate, H.GÜNEŞ(Student), 2012

BAYINDIR R., Asenkron motor büyüklüklerinin Zigbee haberleşme protokolü kullanılarak izlenmesi, Postgraduate, M.ŞEN(Student), 2010

BAYINDIR R., SERAMİK PİŞİRME FIRINININ TASARIMI VE DENETİMİ, Postgraduate, S.BULUT(Student), 2010

BAYINDIR R., ÜÇ FAZLI ASENKRON MOTORUN GÜÇ KATSAYISININ PLC İLE KONTROLÜ VE İZLENMESİ, Postgraduate, L.BARAN(Student), 2010

BAYINDIR R., PARAMETER OBSERVATION OF INDUCTION MOTOR VIA THE ZIGBEE COMMUNICATION PROTOCOL, Postgraduate, M.ŞEN(Student), 2010

BAYINDIR R., Seramik pişirme fırınının tasarımı ve denetimi, Postgraduate, S.BULUT(Student), 2010

BAYINDIR R., Internet based wireless data communication in industrial automation, Postgraduate, Y.ÇETİNCİEVİZ(Student), 2010

BAYINDIR R., REACTIVE POWER COMPENSATION WITH ARTIFICIAL NEURAL NETWORKS CONTROLLED SYNCHRONOUS MOTOR, Postgraduate, A.GÖRGÜN(Student), 2009

BAYINDIR R., Yapay sinir ağları denetimli senkron motor ile reaktif güç kompanzasyonu, Postgraduate, A.GÖRGÜN(Student), 2009

BAYINDIR R., Üç fazlı asenkron motorun güç katsayısının PLC ile kontrolü ve izlenmesi, Postgraduate, L.BARAN(Student), 2009

BAYINDIR R., DESIGN OF EDUCATIONAL TOOL FOR REACTIVE POWER COMPENSATOR BASED ON ARTIFICIAL NEURAL NETWORK, Postgraduate, Ö.SESVEREN(Student), 2008

BAYINDIR R., Yapay sinir ağları temelli reaktif güç kompanzasyonu eğitim seti tasarımı, Postgraduate, Ö.SESVEREN(Student), 2008

BAYINDIR R., Alternatörlerin otomatik paralel bağlanması için eğitim amaçlı bir deney setinin geliştirilmesi ve etkililiğinin değerlendirilmesi, Doctorate, İ.GARİP(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal Power Flow Analysis with Renewable Energy Resource Uncertainty Using Dwarf Mongoose Optimizer: Case of ADRAR Isolated Electrical Network**
Mouassa S., Alateeq A., Alassaf A., BAYINDIR R., Alsaleh I., Jurado F.
IEEE Access, vol.12, pp.10202-10218, 2024 (SCI-Expanded)
- II. **Smart coordination of predictive load balancing for residential electric vehicles based on EMD-Bayesian optimised LSTM**
AKIL M., Dokur E., BAYINDIR R.
IET RENEWABLE POWER GENERATION, vol.16, no.15, pp.3216-3232, 2022 (SCI-Expanded)
- III. **Assessing drivers of residential energy consumption in Turkey: 2000-2018**
Duzgun B., Koksall M. A., BAYINDIR R.
ENERGY FOR SUSTAINABLE DEVELOPMENT, vol.70, pp.371-386, 2022 (SCI-Expanded)
- IV. **Electricity Consumption Behaviors and Clustering of Distribution Grids in Terms of Demand Response**
Cetinkaya U., AVCI E., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.50, no.9-10, pp.498-515, 2022 (SCI-Expanded)
- V. **Induction motor control system with a Programmable Logic Controller (PLC) and Profibus communication for industrial plants — An experimental setup**
VADİ S., BAYINDIR R., Toplar Y., Colak I.
ISA Transactions, vol.122, pp.459-471, 2022 (SCI-Expanded)
- VI. **Modeling and evaluation of SOC-based coordinated EV charging for power management in a distribution system**
AKIL M., DOKUR E., BAYINDIR R.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.3, pp.678-694, 2022 (SCI-Expanded)
- VII. **Modeling, Analysis and Proportional Resonant and Proportional Integral Based Control Strategy for Single Phase Quasi-Z Source Inverters**
VADİ S., BAYINDIR R.
IEEE ACCESS, vol.10, pp.87217-87226, 2022 (SCI-Expanded)
- VIII. **The soc based dynamic charging coordination of evs in the pv-penetrated distribution network using real-world data**

Akil M., Dokur E., BAYINDIR R.

Energies, vol.14, no.24, 2021 (SCI-Expanded)

- IX. **Comprehensive Non-Intrusive Load Monitoring Process: Device Event Detection, Device Feature Extraction and Device Identification Using KNN, Random Forest and Decision Tree**
GÜRBÜZ F. B., BAYINDIR R., VADİ S.
2021 10th International Conference on Renewable Energy Research and Application (ICRERA), pp.447-452, 2021 (SCI-Expanded)
- X. **Design and Simulation of a Grid Connected Wind Turbine with Permanent Magnet Synchronous Generator**
VADİ S., GÜRBÜZ F. B., BAYINDIR R., HOSSAIN E.
2020 8th International Conference on Smart Grid (icSmartGrid), pp.169-175, 2020 (SCI-Expanded)
- XI. **Multi-objective Optimization of a Hybrid Renewable Energy System with a Gas Micro-turbine and a Storage Battery**
Saib S., Gherbi A., Bayindir R., Kaabeche A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.45, no.3, pp.1553-1566, 2020 (SCI-Expanded)
- XII. **Daily Photovoltaic Power Prediction Enhanced by Hybrid GWO-MLP, ALO-MLP and WOA-MLP Models Using Meteorological Information**
Colak M., YEŞİLBUDAK M., BAYINDIR R.
ENERGIES, vol.13, no.4, 2020 (SCI-Expanded)
- XIII. **A Review of Control Methods on Suppression of 2 *nd* Harmonic Ripple for Single-Phase Quasi-Z-Source Inverter**
VADİ S., BAYINDIR R., Hossain E.
IEEE ACCESS, vol.8, pp.42055-42070, 2020 (SCI-Expanded)
- XIV. **A Review on Communication Standards and Charging Topologies of V2G and V2H Operation Strategies**
VADİ S., BAYINDIR R., Colak A. M., Hossain E.
ENERGIES, vol.12, no.19, 2019 (SCI-Expanded)
- XV. **A Review on Optimization and Control Methods Used to Provide Transient Stability in Microgrids**
VADİ S., Padmanaban S., BAYINDIR R., Blaabjerg F., Mihet-Popa L.
ENERGIES, vol.12, no.18, 2019 (SCI-Expanded)
- XVI. **Small Signal Stability with the Householder Method in Power Systems**
Sabati A., BAYINDIR R., Padmanaban S., Hossain E., Tur M. R.
ENERGIES, vol.12, no.18, 2019 (SCI-Expanded)
- XVII. **Electric Vehicle Charge Stations Location Analysis and Determination-Ankara (Turkey) Case Study**
Harighi T., Padmanaban S., BAYINDIR R., Hossain E., Holm-Nielsen J. B.
ENERGIES, vol.12, no.18, 2019 (SCI-Expanded)
- XVIII. **The 5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA 2016)**
Colak I., Kurokawa F., Fahmi N., BAYINDIR R.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.25, no.25, pp.24517-24519, 2018 (SCI-Expanded)
- XIX. **An Overview of Energy Scenarios, Storage Systems and the Infrastructure for Vehicle-to-Grid Technology**
Harighi T., BAYINDIR R., Padmanaban S., Mihet-Popa L., Hossain E.
ENERGIES, vol.11, no.8, 2018 (SCI-Expanded)
- XX. **Stability improvement of microgrids in the presence of constant power loads**
Hossain E., Perez R., Nasiri A., BAYINDIR R.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.96, pp.442-456, 2018 (SCI-Expanded)
- XXI. **Techno-Economic Optimization of a Grid-Connected Hybrid Energy System Considering Voltage Fluctuation**
Saib S., Gherbi A., Kaabeche A., BAYINDIR R.

- JOURNAL OF ELECTRICAL ENGINEERING & TECHNOLOGY, vol.13, no.2, pp.659-668, 2018 (SCI-Expanded)
- XXII. **Optimization Study of Hybrid Renewable Energy System in Autonomous Site**
Saib S., Gherbi A., BAYINDIR R.
ARTIFICIAL INTELLIGENCE IN RENEWABLE ENERGETIC SYSTEMS: SMART SUSTAINABLE ENERGY SYSTEMS, vol.35, pp.431-438, 2018 (SCI-Expanded)
- XXIII. **Design and real time implementation of adaptive neural-fuzzy inference system controller based unity single phase power factor converter**
Benyamina A., Moulahoum S., Colak I., BAYINDIR R.
ELECTRIC POWER SYSTEMS RESEARCH, vol.152, pp.357-366, 2017 (SCI-Expanded)
- XXIV. **Constant Power Loads (CPL) with Microgrids: Problem Definition, Stability Analysis and Compensation Techniques**
AL-Nussairi M. K., BAYINDIR R., Padmanaban S., Mihet-Popa L., Siano P.
ENERGIES, vol.10, no.10, 2017 (SCI-Expanded)
- XXV. **Stability Analysis of MIMO Microgrid Systems in d-q Axis Platform with Constant Power Loads Based on Popov Absolute Stability Criterion**
Hossain E., Perez R., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.45, no.19, pp.2200-2215, 2017 (SCI-Expanded)
- XXVI. **Smart grid technologies and applications**
BAYINDIR R., Colak I., Fulli G., Demirtas K.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.66, pp.499-516, 2016 (SCI-Expanded)
- XXVII. **Design and experimental analysis of an advanced static VAR compensator with computer aided control**
Irmak E., Bayındır R., Köse A.
ISA TRANSACTIONS, vol.64, pp.384-393, 2016 (SCI-Expanded)
- XXVIII. **Microgrid testbeds around the world: State of art**
Hossain E., KABALCI E., BAYINDIR R., Perez R.
ENERGY CONVERSION AND MANAGEMENT, vol.86, pp.132-153, 2014 (SCI-Expanded)
- XXIX. **Smart grid opportunities and applications in Turkey**
Colak I., BAYINDIR R., Fulli G., Tekin I., Demirtas K., Covrig C.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.33, pp.344-352, 2014 (SCI-Expanded)
- XXX. **Real-Time Monitoring and Control of the Parameters of an Induction Motor**
BAYINDIR R., VADİ S.
ELEKTRONIKA IR ELEKTROTEHNIKA, vol.19, no.10, pp.145-150, 2013 (SCI-Expanded)
- XXXI. **A new approach to predict the excitation current and parameter weightings of synchronous machines based on genetic algorithm-based k-NN estimator**
Kahraman H. T., BAYINDIR R., Sagiroglu Ş.
Energy Conversion and Management, vol.64, pp.129-138, 2012 (SCI-Expanded)
- XXXII. **Design and implementation of an Internet based effective controlling and monitoring system with wireless fieldbus communications technologies for process automation-An experimental study**
ÇETİNCEVİZ Y., BAYINDIR R.
ISA TRANSACTIONS, vol.51, no.3, pp.461-470, 2012 (SCI-Expanded)
- XXXIII. **A Remote Laboratory Experiment for 4-Quadrant Control of a DC Motor**
IRMAK E., BAYINDIR R., Colak I., Soysal M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.19, no.4, pp.747-758, 2011 (SCI-Expanded)
- XXXIV. **A water pumping control system with a programmable logic controller (PLC) and industrial wireless modules for industrial plants-An experimental setup**
BAYINDIR R., ÇETİNCEVİZ Y.
ISA TRANSACTIONS, vol.50, no.2, pp.321-328, 2011 (SCI-Expanded)
- XXXV. **DESIGN AND APPLICATION OF ELECTROMAGNETIC SOLENOID FOR VALVE MECHANISM ON COMPRESSED AIR ENGINES**
Koca A., BAYINDIR R., Gunes H., KUNT M. A., Sakar S.

- JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.26, no.1, pp.73-79, 2011 (SCI-Expanded)
- XXXVI. **Review of multilevel voltage source inverter topologies and control schemes**
Colak I., KABALCI E., BAYINDIR R.
ENERGY CONVERSION AND MANAGEMENT, vol.52, no.2, pp.1114-1128, 2011 (SCI-Expanded)
- XXXVII. **Development of a real time energy monitoring platform**
BAYINDIR R., IRMAK E., Colak I., Bektas A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.33, no.1, pp.137-146, 2011 (SCI-Expanded)
- XXXVIII. **PROVIDING EQUALITY OF FREQUENCIES AND PHASE ANGLES BASED ON MICROCONTROLLER FOR PARALLEL CONNECTION OF GENERATORS**
SEFA İ., BAYINDIR R., Garip I., Bayhan S., Colak I.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.25, no.1, pp.39-48, 2010 (SCI-Expanded)
- XXXIX. **Design and implementation of a neural controller for power factor correction**
Sagiroglu Ş., BAYINDIR R., Colak I.
Engineering Intelligent Systems, vol.17, no.4, pp.209-220, 2009 (SCI-Expanded)
- XL. **INVESTIGATING INDUSTRIAL RISKS BASED ON INFORMATION SECURITY FOR OBSERVERABLE ELECTRICAL ENERGY DISTRIBUTION SYSTEM AND SUGGESTIONS**
BAYINDIR R., SAĞIROĞLU Ş., Colak I., Ozbilen A.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.4, pp.715-723, 2009 (SCI-Expanded)
- XLI. **MICROCONTROLLER BASED WARNING SYSTEM FOR RIGHT PHASE ORDER AND PHASE COLLAPSE FOR ALTERNATORS**
BAYINDIR R., Colak I., Garip I., Bayhan S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.24, no.1, pp.105-117, 2009 (SCI-Expanded)
- XLII. **An intelligent power factor corrector for power system using artificial neural networks**
BAYINDIR R., Sagiroglu Ş., Colak I.
Electric Power Systems Research, vol.79, no.1, pp.152-160, 2009 (SCI-Expanded)
- XLIII. **Fault detection and protection of induction motors using sensors**
BAYINDIR R., SEFA İ., Colak I., Bektas A.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.23, no.3, pp.734-741, 2008 (SCI-Expanded)
- XLIV. **DESIGN AND IMPLEMENTATION OF AN INTELLIGENT SIMULATOR FOR REACTIVE POWER COMPENSATION**
BAYINDIR R., DEMİRBAŞ Ş., Sesveren O.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.23, no.3, pp.681-688, 2008 (SCI-Expanded)
- XLV. **Microcontroller based digitally controlled ultrasonic motor drive system**
Bal G., BEKİROĞLU E., BAYINDIR R., Uzel H.
JOURNAL OF ELECTROCEAMICS, vol.20, pp.265-270, 2008 (SCI-Expanded)
- XLVI. **Low-cost and high sensitively microcontroller based control unit for a friction welding machine**
BAYINDIR R., ATEŞ H.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.189, pp.126-131, 2007 (SCI-Expanded)
- XLVII. **Novel approach based on microcontroller to online protection of induction motors**
BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, vol.48, no.3, pp.850-856, 2007 (SCI-Expanded)
- XLVIII. **Design and construction of an electrical furnace to fire ceramic product**
BAYINDIR R.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, vol.66, no.2, pp.135-140, 2007 (SCI-Expanded)
- XLIX. **A novel control unit for a friction welding machine based on computer**

- BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, vol.22, no.1, pp.102-106, 2007 (SCI-Expanded)
- L. **Power factor correction technique based on artificial neural networks**
Sagiroglu Ş., Colak I., BAYINDIR R.
Energy Conversion and Management, vol.47, pp.3204-3215, 2006 (SCI-Expanded)
- LI. **A novel dynamic reactive power compensator based on PIC**
Colak I., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.33, no.8, pp.861-876, 2005 (SCI-Expanded)
- LII. **Comparison of the constructed control methods for a friction-welding machine**
BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, vol.20, no.2, pp.131-146, 2005 (SCI-Expanded)
- LIIL. **Experimental study on reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, vol.45, pp.2371-2391, 2004 (SCI-Expanded)
- LIV. **Reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Bay Ö. F.
ENERGY CONVERSION AND MANAGEMENT, vol.44, no.13, pp.2189-2204, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Overview: Using Hybrid Energy System for Electricity Production Based on the Optimization Methods**
SAİB S., BAYINDIR R., VADİ S.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.1, no.1, pp.1-10, 2024 (ESCI)
- II. **Bir İnceleme: Farklı Teknolojilerin Kullanımı ile Elektrik Enerjisi Depolama Sistemi Bağlantılı Hibrit Güç Sistemleri**
SAİB S., BAYINDIR R., VADİ S.
JOURNAL OF POLYTECHNIC-POLITEKNIK DERGİSİ, 2023 (ESCI)
- III. **Voltage Stability Study In Power Systems With Improved Teaching-Learning Based Optimization Algorithm**
ERMİŞ S., Bayindir R., Yesilbudak M.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.3, pp.695-705, 2023 (Peer-Reviewed Journal)
- IV. **Non-intrusive Load Monitoring, Classification and Control in Electrical Home Appliances**
GÜRBÜZ F. B., BAYINDIR R., VADİ S.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.11, no.4, pp.1209-1222, 2023 (Peer-Reviewed Journal)
- V. **Optimal Operation of Combined Heat and Power in Competitive Electricity Markets: a Case Study in IAUN**
Mirhedayati A., Hadadi Z., Zanjani S., Shahinzadeh H., BAYINDIR R., Shaneh M., Moradi J.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.11, no.3, pp.1013-1022, 2021 (ESCI)
- VI. **Application of Fractional Order Cascaded Controller for AGC Study in Power System Integrated With Renewable Sources**
Jena N. K., Patel N. C., Sahoo S., Sahu B. K., dash s., BAYINDIR R.
INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH, 2020 (ESCI)
- VII. **Doğru Akım Motoru Kapalı Çevrim Hız Denetim Sistemindeki Pİ Parametrelerinin Genetik ve Parçacık Sürü Algoritması Kullanarak Optimizasyonu**
VADİ S., BAYINDIR R.
Veri Bilimi, vol.2, no.2, pp.51-60, 2019 (Peer-Reviewed Journal)
- VIII. **Project Surveys for Determining and Defining Key Performance Indicators in the Development of**

Smart Grids in Energy Systems

TÜR M. R., BAYINDIR R.

INTERNATIONAL JOURNAL of SMART GRID, vol.2, no.3, pp.103-107, 2019 (Peer-Reviewed Journal)

- IX. **Application of Invasive Weed Optimization Algorithm to Optimally Design Multi-Staged PID Controller for LFC Analysis**
Patel N. C., Debnath M. K., Sahu B. K., Dash S. S., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.9, no.1, pp.470-479, 2019 (ESCI)
- X. **Design and Implementation of a Cuk Converter Controlled by a Direct Duty Cycle INC-MPPT in PV Battery System**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, vol.3, no.1, pp.18-24, 2019 (Peer-Reviewed Journal)
- XI. **Modeling of a permanent magnet synchronous generator in a wind power generation system with an electrochemical energy storage**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, vol.2, no.4, pp.197-202, 2018 (Peer-Reviewed Journal)
- XII. **Modeling of a Permanent Magnet Synchronous Generator in a Power Wind Generation System with an Electrochemical Energy Storage**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
International Journal of Smart Grid, vol.2, no.4, pp.197-202, 2018 (Peer-Reviewed Journal)
- XIII. **Ankara ilinin uzun dönem global güneş ışıyım şiddeti, güneşlenme süresi ve hava sıcaklığı verilerinin analizi ve eğri uydurma metotlarıyla modellenmesi**
YEŞİLBUDAK M., ÇOLAK M., BAYINDIR R.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.6, no.1, pp.189-203, 2018 (Peer-Reviewed Journal)
- XIV. **What are the Current Status and Future Prospects in Solar Irradiance and Solar Power Forecasting?**
YEŞİLBUDAK M., Colak M., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.8, no.1, pp.635-648, 2018 (ESCI)
- XV. **Farklı bara sayısına sahip güç sistemlerinde yük akışı analiz metotlarının karşılaştırılması**
YEŞİLBUDAK M., ERMİŞ S., BAYINDIR R.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.5, no.3, pp.237-246, 2017 (Peer-Reviewed Journal)
- XVI. **Farklı Baralara Sahip Güç Sistemlerinde Yük Akışı Analiz Metotlarının Karşılaştırılması**
YEŞİLBUDAK M., ERMİŞ S., BAYINDIR R.
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, vol.5, no.3, pp.237-246, 2017 (Peer-Reviewed Journal)
- XVII. **Development of Lyapunov redesign controller for microgrids with constant power loads**
Hossain E., Perez R., Nasiri A., BAYINDIR R.
Renewable Energy Focus, vol.1920, pp.49-62, 2017 (Scopus)
- XVIII. **A Web-Based Educational Tool For Simulation of Reactive Power Compensation With Synchronous Motor**
BAYINDIR R., VADİ S.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.20, no.1, pp.61-69, 2017 (ESCI)
- XIX. **Modelling and Simulation of Solar Plant and Storage System: A Step to Microgrid Technology**
Hossain J., Sakib N., Hossain E., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.7, no.2, pp.723-737, 2017 (ESCI)
- XX. **Very-Short Term Modeling of Global Solar Radiation and Air Temperature Data Using Curve Fitting Methods**
Yesilbudak M., Colak M., Bayindir R., Bülbül H. İ.
International Conference on Renewable Energy Research and Applications (ICRERA), vol.1, no.3, pp.1-10, 2017 (Peer-Reviewed Journal)
- XXI. **A Novel keyless and key based Encryption Algorithm to handle Cyber Security in Microgrid**

Application

Hossain J., Shikander S. S., Hossain E., BAYINDIR R.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.4, pp.330-343, 2017 (ESCI)

- XXII. **Modelling and Simulation of Natural Gas Generator and EV Charging Station: A Step to Microgrid Technology**
Sakib N., Hossain J., Hossain E., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.7, no.1, pp.399-410, 2017 (ESCI)
- XXIII. **Modelling and Simulation of Permanent Magnet Synchronous Generator Wind Turbine: A Step to Microgrid Technology**
Hossain E., Hossain J., Sakib N., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.7, no.1, pp.443-450, 2017 (ESCI)
- XXIV. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
Hossain E., Perez R., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.7, no.2, pp.738-750, 2017 (ESCI)
- XXV. **A comprehensive study on microgrid technology**
BAYINDIR R., EKLAS H., KABALCI E., R P.
International Journal of Renewable Energy Research (IJRER), vol.4, no.4, pp.1094-1107, 2016 (Scopus)
- XXVI. **Güç Sistemlerinde Gerilim Kararlılığını Etkileyen Faktörler**
BAYINDIR R., YEŞİLBUDAK M., Çetinkaya U.
Gazi Üniversitesi Fen Bilimleri Dergisi, vol.3, no.4, pp.595-602, 2015 (Peer-Reviewed Journal)
- XXVII. **A New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues**
Babu P. C., Subramani C., BAYINDIR R., Dash S. S., Mohanty M. N.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.5, no.1, pp.287-293, 2015 (ESCI)
- XXVIII. **Investigation on North American Microgrid Facility**
BAYINDIR R., Hossain E., KABALCI E., Billah K. M. M.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.5, no.2, pp.558-574, 2015 (ESCI)
- XXIX. **Modelling and Analysing of Electricity Transmission Infrastructure of Ankara, Turkey: A Case Study on the Critical Line Scenarios**
BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.4, pp.587-597, 2015 (ESCI)
- XXX. **Endüstriyel Alanlarda Kullanılan Veri İletim Tekniklerinin Karşılaştırılması**
VADİ S., GÜLER N., BAYINDIR R.
Gazi Üniversitesi Fen Bilimleri Dergisi Part:C, Tasarım Ve Teknoloji, vol.2, no.1, pp.181-188, 2014 (Peer-Reviewed Journal)
- XXXI. **Development Of An Opc And Plc Based Remote Access Laboratory A Synchronous Motor Control Experiment**
BAYINDIR R., VADİ S.
International Conference on Advanced Technology & Sciences (ICAT'14), 2014 (Peer-Reviewed Journal)
- XXXII. **Implementation of a PLC and OPC Based DC Motor Control Laboratory**
BAYINDIR R., VADİ S.
Fourth International Conference on Power Engineering, Energy and Electrical Drives (POWERENG), pp.1151-1155, 2013 (Peer-Reviewed Journal)
- XXXIII. **Monitoring Parameters of Synchronous Motor Via Internet**
BAYINDIR R., VADİ S.
Renewable Energy Research and Applications (ICRERA), pp.1-4, 2012 (Peer-Reviewed Journal)
- XXXIV. **An Interactive Platform for Switched Reluctance Motor**
BAYINDIR R., VADİ S., KAPLAN O.
Ever Monaco-2012, pp.1-4, 2012 (Peer-Reviewed Journal)
- XXXV. **PLC ve SCADA kullanılarak bir endüstriyel sistemin otomasyonu**
BAYINDIR R., KAPLAN O., CEM B., SARIKAYA Y., HALLAÇLIOĞLU M.

- Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.1, no.1, pp.107-115, 2011 (Peer-Reviewed Journal)
- XXXVI. **Simulation of The DC Capacitor Voltage Controlled Single Phase Shunt Active Power Filters for PowerQuality Improvement**
ÇOLAK İ., BAYINDIR R., KAPLAN O.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.2, pp.177-186, 2010 (Scopus)
- XXXVII. **Türkiye nin Enerji Geleceği**
ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.
TÜBAV Bilim Dergisi, vol.1, no.2, pp.36-44, 2008 (Peer-Reviewed Journal)
- XXXVIII. **Rüzgar Enerjisinden Elektrik Üretiminin Türkiye deki Gelişimi**
ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.
TÜBAV Bilim Dergisi, vol.1, no.2, pp.64-72, 2008 (Peer-Reviewed Journal)
- XXXIX. **Güneş Enerjisi Kaynaklı LED Armatür Tasarımı**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.10, no.4, pp.347-352, 2007 (Peer-Reviewed Journal)
- XL. **PIC Denetimli Reaktif Güç Rölesi Tasarımı**
BAYINDIR R., KAPLAN O.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.22, no.1, pp.47-56, 2007 (Scopus)
- XLI. **DA Motorunun Dört Bölge Denetiminin Eğitim Amaçlı Gerçekleştirilmesi**
ÇOLAK İ., SOYSAL M., IRMAK E., BAYINDIR R.
Politeknik, vol.10, no.3, pp.219-227, 2007 (Peer-Reviewed Journal)
- XLII. **Asenkron Motorlar İçin Denetleyici Tabanlı Koruma ve Yol Verme Rölesi Tasarımı ve Uygulaması**
BAYINDIR R., DEMİRBAŞ Ş., IRMAK E., BEKİROĞLU E.
Politeknik Dergisi, vol.10, no.1, pp.1-5, 2007 (Peer-Reviewed Journal)
- XLIII. **Bilgisayar Kontrollü Güneş Takip Sisteminin Tasarımı ve Uygulaması**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.9, no.4, pp.247-253, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Elektrik Kumanda Devreleri ve S7 1200 ile PLC Programlama**
Çolak İ., Bayındır R., Vadi S.
Seçkin Yayıncılık, Ankara, 2021
- II. **The Requirements of the Technique of Communication from Machine to Machine Applied in Smart Grids**
TÜR M. R., BAYINDIR R.
in: Artificial Intelligence and Evolutionary Computations in Engineering Systems, Subhransu Sekhar Dash, C. Lakshmi, Swagatam Das, Bijaya Ketan Panigrahi, Editor, Springer, Keonjhar, pp.405-418, 2020
- III. **Elektrik Enerjisi Sektöründe Siber Güvenlik**
TÜR M. R., BAYINDIR R., VADİ S.
in: Siber Güvenlik ve Savunma Kitap Serisi 2 Problemler ve Çözümler, Şeref Sağıroğlu, Mustafa Şenol, Editor, HAVELSAN, Ankara, pp.459-478, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **Artificial Intelligence Supported Online Exam System For Determining Foreign Language Proficiency For Erasmus Education Mobility: Gazi University Sample**
BAYINDIR R., BÜLBÜL H. İ., ÜSTÜNDAĞ M. T., BİNGÖL A. S., TANRIVERDİ M., UYSAL M., AYAZ Z.
19TH ERASMUS CONGRESS AND EXHIBITION (ERACON 2023), TOR VERGATA UNIVERSITY OF ROME, 26-30 JUNE 2023, ROMA, Italy, 26 June 2023, ROMA, Italy, 26 June 2023

- II. **PV&TEG Hybrid System controlled with Fuzzy based MPPT**
Caglayan R. Z., KAYIŞLI K., Roscia M., Harrouz A., BAYINDIR R., Colak I.
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, France, 4 - 07 June 2023
- III. **Battery Energy Storage Systems in Different Countries for Arbitrage Services**
Cetinkaya U., Demirbaş Ş., Ayık S., Bayındır R.
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, France, 4 - 07 June 2023
- IV. **Modelling, Analysis of PI and PR Based Control Strategy for Single Phase QZSI**
Vadi S., Bayındır R.
12th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2023, Oshawa, Canada, 29 August - 01 September 2023, pp.487-491
- V. **Design of Sliding Mode Controller for Load Frequency Control Using Particle Swarm and Grey Wolf Algorithms**
Cetinkaya U., DEMİRBAŞ Ş., Ayık S., BAYINDIR R.
12th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2023, Oshawa, Canada, 29 August - 01 September 2023, pp.542-547
- VI. **Multi Input-Multi Output (MIMO) converter system fed by Wind Energy**
Gürbüz F. B., Kayışlı K., Demirbaş Ş., Bayındır R., Çolak İ., Roscia M.
2022 11th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Turkey, 18 September 2022, pp.179-185
- VII. **Impact of Increasing Renewable Energy Sources on Power System Stability and Determine Optimum Demand Response Capacity for Frequency Control**
Cetinkaya U., BAYINDIR R.
10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Turkey, 27 - 29 June 2022, pp.396-400
- VIII. **Global optimum operating point tracker of PV system, under partial shading, using parallel searching**
Hadji S., Larbi L., Belkaid A., Colak I., BAYINDIR R.
10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Turkey, 27 - 29 June 2022, pp.227-230
- IX. **Performance Enhancement of SMC Based Buck Converter under Variable Conditions by Particle Swarm Optimization Algorithm**
VADİ S., BAYINDIR R.
3rd International Conference on Smart Grid and Renewable Energy, SGRE 2022, Doha, Qatar, 20 - 22 March 2022
- X. **Optimal Scheduling of on-Street EV Charging Stations**
Akil M., DOKUR E., BAYINDIR R.
20th IEEE International Power Electronics and Motion Control Conference, PEMC 2022, Brasov, Romania, 25 - 28 September 2022, pp.679-684
- XI. **Optimal Scheduling of Aggregated Electric Vehicle Charging with a Smart Coordination Approach**
Akil M., Dokur E., BAYINDIR R.
11th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2022, İstanbul, Turkey, 18 - 21 September 2022, pp.546-551
- XII. **Design of a buck converter battery charging controller in PV plant**
Larbi L., Hadji S., Belkaid A., Colak I., BAYINDIR R.
10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Turkey, 27 - 29 June 2022, pp.214-220
- XIII. **Distributed generation system planning based on renewable energy source**
Oymak A., Altun M., Cakmak F., Atic S., Tur M. R., BAYINDIR R.
10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Turkey, 27 - 29 June 2022, pp.368-373
- XIV. **A Review of Emerging Cutting-Edge Energy Storage Technologies for Smart Grids Purposes**
Kucur G., Tur M. R., BAYINDIR R., Shahinzadeh H., Gharehpetian G. B.
9th Iranian Conference on Renewable Energy and Distributed Generation (ICREDG), Mashhad, Iran, 23 - 24 February 2022
- XV. **Analysis of Electric Vehicle Charging Demand Forecasting Model based on Monte Carlo Simulation and EMD-BO-LSTM**

Akil M., Dokur E., BAYINDIR R.

10th International Conference on Smart Grid, icSmartGrid 2022, İstanbul, Turkey, 27 - 29 June 2022, pp.356-362

XVI. Policy Instruments to Promote the Use of Renewable Energy for Residential Heating and Cooling: A Case of Turkey

Düzgün B., Bayındır R., Bülbül H. İ.

10th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Turkey, 26 - 29 September 2021, pp.428-433

XVII. A Brief Review of Non-Intrusive Load Monitoring and Its Impact on Social Life

GÜRBÜZ F. B., BAYINDIR R., BÜLBÜL H. İ.

9th IEEE International Conference on Smart Grid, Setúbal, Portugal, 29 June - 01 July 2021, pp.289-294

XVIII. Impact of electric vehicle charging profiles in data-driven framework on distribution network

Akil M., Dokur E., BAYINDIR R.

9th International Conference on Smart Grid, icSmartGrid 2021, Virtual, Setubal, Portugal, 29 June - 01 July 2021, pp.220-225

XIX. Optimization of PI based buck-boost converter by particle swarm optimization algorithm

VADİ S., Gurbuz F. B., SAĞIROĞLU Ş., BAYINDIR R.

9th International Conference on Smart Grid, icSmartGrid 2021, Virtual, Setubal, Portugal, 29 June - 01 July 2021, pp.295-301

XX. Ancillary services using battery energy systems and demand response

Cetinkaya U., BAYINDIR R., Ayik S.

9th International Conference on Smart Grid, icSmartGrid 2021, Virtual, Setubal, Portugal, 29 June - 01 July 2021, pp.212-215

XXI. Wind Energy Potential Approximation with Various Metaheuristic Optimization Techniques Deployment

Wadi M., Elmasry W., Shobole A., Tur M. R., BAYINDIR R., Shahinzadeh H.

7th International Conference on Signal Processing and Intelligent Systems, ICSPIS 2021, Tehran, Iran, 29 - 30 December 2021

XXII. Electric Vehicles Charging Management with Monte Carlo Simulation

Kilic E., Akil M., BAYINDIR R., Sebati A., Malek R.

10th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2021, İstanbul, Turkey, 26 - 29 September 2021, pp.423-427

XXIII. Uncoordinated Charging Profile of EVs Based on An Actual Charging Session Data

Akil M., Kilic E., BAYINDIR R., Sebati A., Malek R.

10th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2021, İstanbul, Turkey, 26 - 29 September 2021, pp.459-462

XXIV. A Systematic Data-driven Analysis of Electric Vehicle Electricity Consumption with Wind Power Integration

Akil M., Dokur E., BAYINDIR R.

10th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2021, İstanbul, Turkey, 26 - 29 September 2021, pp.397-401

XXV. Design of a Load Frequency Control based on a Fuzzy logic for Single Area Networks

Al-Nussairi M. K., Al-Majidi S. D., Hussein A. R., BAYINDIR R.

10th IEEE International Conference on Renewable Energy Research and Applications, ICRERA 2021, İstanbul, Turkey, 26 - 29 September 2021, pp.216-220

XXVI. Changing Power Transformer Metallurgy to Increase Responsibility of Electric Vehicle Fast Charge Profile

Harighi T., BAYINDIR R., Gokmen U., Golzari L. E. J., Khanlari A.

9th International Conference on Renewable Energy Research and Applications, 27 - 30 September 2020

XXVII. Energy Management for EV Charging Based on Solar Energy in an Industrial Microgrid

AKIL M., DOKUR E., BAYINDIR R.

2020 9th International Conference on Renewable Energy Research and Application (ICRERA), Glasgow, United

Kingdom, 27 - 30 September 2020, pp.489

- XXVIII. **Changing Power Transformer Metallurgy to Increase Responsibility of Electric Vehicle Fast Charge Profile**
Harighi T., BAYINDIR R., GÖKMEN U., Jamalgolzari L. E., Khanlari A.
9th International Conference on Renewable Energy Research and Applications, ICRERA 2020, Glasgow, England, 27 - 30 September 2020, pp.483-488
- XXIX. **Time Series Clustering Analysis of Energy Consumption Data**
Çetinkaya Ü., Avcı E., BAYINDIR R.
9th International Conference on Renewable Energy Research and Applications, 27 - 30 September 2020
- XXX. **Integration of Cloud Computing and IoT (CloudIoT) in Smart Grids: Benefits, Challenges, and Solutions**
Bagherzadeh L., Shahinzadeh H., Shayeghi H., Dejamkhooy A., BAYINDIR R., Mohammadreza I.
IEEE International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE-2020), 29 - 31 July 2020
- XXXI. **Comparison of Power Quality Distortion Types and Methods Used in Classification**
Tür M. R., BAYINDIR R.
IEEE International Conference on Computational Intelligence for Smart Power System and Sustainable Energy (CISPSSE-2020), 29 - 31 July 2020
- XXXII. **Indirect Sliding Mode Voltage Control of Buck Converter**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2020 8th International Conference on Smart Grid (icSmartGrid), Paris, France, 17 - 19 June 2020
- XXXIII. **Improving PV System Performance using High Efficiency Fuzzy Logic Control**
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2020 8th International Conference on Smart Grid (icSmartGrid), Paris, France, 17 - 19 June 2020
- XXXIV. **Design and Simulation of a Grid Connected WindTurbine with Permanent Magnet SynchronousGenerator**
VADİ S., Gurbuz F. B., BAYINDIR R., Hossain E.
8th IEEE International Conference on Smart Grid, 17 - 19 June 2020
- XXXV. **Policy Implications for the Dissemination of Smart Grid Implementations from Energy Efficiency Perspective: A case from Turkey**
Duzgun B., BAYINDIR R.
8th IEEE International Conference on Smart Grid, 17 - 19 June 2020
- XXXVI. **The effects of the smart grid system on the national grids**
ÇOLAK İ., BAYINDIR R., SAĞIROĞLU Ş.
IEEE 8th International Conference on Smart Grid (icSmartGrid'20), Paris, France, 17 - 19 June 2020, pp.122-126
- XXXVII. **Performance Enhancement of Hybrid Solar PV-Wind System Based on Fuzzy Power Management Strategy: A Case Study**
HARROUZ A., Saidi A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 December 2019
- XXXVIII. **Robust Controller Based on Sliding Mode Technique of DFIG Integrated to Wind Energy System**
HARROUZ A., Bakou Y., ÇOLAK İ., Aissaoui A. G., KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 December 2019
- XXXIX. **A Comparative Study Between Robust Control Sliding Mode and Backstepping of a DFIG Integrated to Wind Power System**
HARROUZ A., Saihi L., Bakou Y., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.
2019 7th International Conference on Smart Grid (icSmartGrid), Newcastle, Australia, 9 - 11 December 2019
- XL. **Effect of Calculated VOLL and EENS Parameters on Reserve Planning in Power System**
TÜR M. R., BAYINDIR R., Wadi M., SHOBOLE A. A., Marhraoui S.
8th INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS, Brasov, Romania, 3 - 06 November 2019, pp.1-6
- XLI. **OnOff-Grid Hybrid Microgrid Design and DynamicAnalysis**

Çetinkaya Ü., BAYINDIR R.

7th IEEE International Conference on Smart Grid, Newcastle, Australia, 9 - 11 December 2019, pp.132-136

XLII. Interoperability in smart grid

AYEDI F., ÇOLAK İ., BAYINDIR R.

IEEE 7th International Conference on Smart Grid (icSmartGrid'19), Newcastle, Australia, 9 - 11 December 2019, pp.165-169

XLIII. Modeling and simulation of polycrystalline silicon photovoltaic cells

BELKAID A., ÇOLAK İ., KAYIŞLI K., SARA M., BAYINDIR R.

IEEE 7th International Conference on Smart Grid (icSmartGrid'19), Newcastle, Australia, 9 - 11 December 2019, pp.155-158

XLIV. A robust controller based on sliding mode technique of DFIG integrated to wind energy system

BAKOU Y., LAKHDAR S., HAMMAOUI Y., HARROUZ A., ÇOLAK İ., KAYIŞLI K., ABID M., BAYINDIR R.

IEEE 7th International Conference on Smart Grid (icSmartGrid'19), Newcastle, Australia, 9 - 11 December 2019, pp.144-148

XLV. A Hybrid Deep Learning Model with Evolutionary Algorithm for Short-Term Load Forecasting

Al Mamun A., Hoq M., Hossain E., BAYINDIR R.

8th International Conference on Renewable Energy Research and Applications, Brasov, Romania, 3 - 06 November 2019, pp.886-891

XLVI. Optimal power flow using artificial bee colony, wind driven optimization and gravitational search algorithms

ERMİŞ S., YEŞİLBUDAK M., BAYINDIR R.

IEEE 8th International Conference on Renewable Energy Research and Applications (ICRERA'19), Brasov, Romania, 3 - 06 November 2019, pp.963-967

XLVII. Novel application of Selfish Herd Optimisation based Two Degrees of Freedom Cascaded Controller for AGC Study

Jena N. K., Patel N. C., Sahoo S., Sahu B. K., dash s., mohanty K. B., BAYINDIR R.

8th International Conference on Renewable Energy Research and Applications, Brasov, Romania, 3 - 06 November 2019, pp.851-856

XLVIII. Forecasting of daily total horizontal solar radiation using grey wolf optimizer and multilayer perceptron algorithms

ÇOLAK M., YEŞİLBUDAK M., BAYINDIR R.

IEEE 8th International Conference on Renewable Energy Research and Applications (ICRERA'19), Brasov, Romania, 3 - 06 November 2019, pp.939-942

XLIX. SHO designed fuzzy logic based controller for AGC study with capacitor energy storage

Sahoo S., dash s., Jena N. K., Sahu B. K., Patel N. C., BAYINDIR R.

8th International Conference on Renewable Energy Research and Applications Brasov, ROMANIA, Brasov, Romania, 3 - 06 November 2019, pp.845-850

L. Güç sistemlerinde meta-sezgisel yöntemlerle bir optimizasyon çalışması

ERMİŞ S., YEŞİLBUDAK M., BAYINDIR R.

Uluslararası Alüminyum Temalı Mühendislik ve Doğa Bilimleri Konferansı, Seydişehir, Konya, Turkey, 4 - 06 October 2019, pp.108-112

LI. A Review of Active Power and Frequency Control in Smart Grid

TÜR M. R., BAYINDIR R.

2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevşehir, Turkey, Turkey, 12 - 15 June 2019

LII. The Requirements of The Technique of Communication from Machine to Machine Applied in Smart Grids

TÜR M. R., BAYINDIR R.

4th International Conference on Artificial Intelligence and Evolutionary Computations in Engineering System, Chennai, India, 11 - 13 April 2019, vol.1, pp.1-8

LIII. Understanding Microgrids: Architectures, Control Techniques and Stability

BAYINDIR R.

2nd International Conference on Cognitive Informatics Soft Computing (CISC-2019), Thallapaka Panchayat, India, 9 - 10 April 2019

- LIV. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Belkaid A., Colak I., KAYIŞLI K., BAYINDIR R., BÜLBÜL H. İ.
6th IEEE International Conference on Smart Grid, icSmartGrids 2018, Nagasaki, Japan, 4 - 06 December 2018, pp.276-282
- LV. **A Comprehensive Study on Microgrid Technology**
BAYINDIR R.
icSmartGrid Conference, 4 - 06 December 2018
- LVI. **THERMODYNAMIC OPTIMIZATION OF A NOVEL SOLAR POWER COGENERATION PLANT USING A GAS EJECTOR.**
Afif L., Nahla B., BAYINDIR R., ÇOLAK İ.
International Conference on Renewable Energy Research and Application, 14 - 17 October 2018
- LVII. **Data Management in Smart Grid Applications**
BAYINDIR R.
International Conference on Data Science and Applications (ICONDATA), 4 - 07 October 2018
- LVIII. **SMART GRID, MICROGRIDS AND ENERGY STORAGE SYSTEMS**
BAYINDIR R.
Int. Conf. in Science, Engineering and Tech. ((ICETSET-18), 8 - 09 May 2018
- LIX. **Very Short-Term Estimation of Global Horizontal Irradiance Using Data Mining Methods**
Colak M., YEŞİLBUDAK M., BAYINDIR R.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.1472-1476
- LX. **Multi-Staged PID Controller Tuned by Invasive Weed Optimization Algorithm for LFC Issues**
Patel N. C., Debnath M. K., Sahu B. K., Dash S. S., BAYINDIR R.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.1358-1362
- LXI. **Effect of Faults in Solar Panels on Production Rate and Efficiency**
TÜR M. R., Colak I., BAYINDIR R.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japan, 4 - 06 December 2018, pp.287-293
- LXII. **Thermodynamic Optimization of a Novel Solar Power Cogeneration Plant Using a Gas Ejector**
Afif L., Lamari A., Bayindir R., Bouaziz N., Colak I.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.775-778
- LXIII. **Design of an Intelligent Peak Power Converter for Solar Plants with Lead-acid Battery**
Belkaid A., Colak I., KAYIŞLI K., BAYINDIR R.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.1400-1406
- LXIV. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Belkaid A., Colak I., Kayışlı K., Bayındır R., Bülbül H. İ.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japan, 4 - 06 December 2018, pp.276-282
- LXV. **DC-DC Boost Converter Stability with Constant Power Load**
Al-Nussairi M. K., BAYINDIR R.
18th IEEE International Power Electronics and Motion Control Conference (IEEE PEMC), Budapest, Hungary, 26 - 30 August 2018, pp.1061-1066
- LXVI. **Load Estimation Use in Electric Vehicle Charge Station Coordination in Different Node and Definite**

Area

Harighi T., BAYINDIR R.

6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japan, 4 - 06 December 2018, pp.264-271

LXVII. Stabilization of a DC-Link of Microgrids feeding a Inverter-BLDC motor drive using a PI-Fuzzy

Al-Nussairi M. K., BAYINDIR R.

7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.1514-1519

LXVIII. Exergetic Comparison of Two Configurations for An Upgraded Absorption/Compression Heat Pump Integrated Organic Mixtures

Toujania R., BAYINDIR R., Bouaziz N., Colak I.

7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, France, 14 - 17 October 2018, pp.770-774

LXIX. Design and Analysis of Fuzzy Logic Controllers for Microgrid Voltage Control

Kaysal A., BAYINDIR R.

2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Kizilcahamam, Turkey, 19 - 21 October 2018, pp.454-459

LXX. Capacity Mechanism and Available Applications in Europe

BAYINDIR R.

International Workshop on Industry and Computer Security, 08 December 2017

LXXI. Ulusal Güç Sistemimizde Kayıp Yük Değerinin Makroekonomik Analizi ve Hesaplanması

TÜR M. R., BAYINDIR R.

Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2017), İstanbul, Turkey, 16 - 18 November 2017

LXXII. Very-Short Term Modeling of Global Solar Radiation and Air Temperature Data Using Curve Fitting Methods

YEŞİLBUDAK M., ÇOLAK M., BAYINDIR R., BÜLBÜL H. İ.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 November 2017

LXXIII. Peak point detection of phase-to-phase effective voltages for smart grids: A comparative study

COLAK A. M., SHIBATA Y., KUROKAWA F., YEŞİLBUDAK M., ERMIŞ S., BAYINDIR R.

IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA'17), San Diego, CA, United States Of America, 5 - 08 November 2017, pp.1149-1153

LXXIV. Fuzzy Logic Controller for Dc-Dc Buck Converter with Constant Power Load

ALNUSSAIRI M., BAYINDIR R., Hossain E.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 November 2017

LXXV. Overview of Quality of Service Evaluation of a Charging Station for Electric Vehicle

Harighi T., BAYINDIR R., Hossain E.

International Conference on Renewable Energy Research and Applications (ICRERA) 2017, 5 - 08 November 2017

LXXVI. An exploration of the effects of microcontrollers class prepared through web-based learning environment on the academic success of vocational high school students

Efe A. A., BAYINDIR R., OÇAK M. A., ÖZERBAŞ D. H.

5th International Instructional Technologies Teacher Education Symposium, 11 - 13 October 2017

LXXVII. Feasibility study of grid connected solar plant: An in-depth analysis of system modeling and proper technology selection

Stephens G., Dieterle C., Hossain E., BAYINDIR R.

Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) Power, Circuit and Informational Technologies (ICPCIT-2017), 27 - 29 April 2017

LXXVIII. Analysis of Pumped Hydroelectric Energy Storage for Large-Scale Wind Energy Integration

Carew N., Warnock W., BAYINDIR R., Hossain E., Rakin A. S.

Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) Power, Circuit and Informational Technologies (ICPCIT-2017), 27 - 29 April 2017

LXXIX. A Briefing on Microgrid Technology

BAYINDIR R.

Joint Conference on ICAIECES-2017ICPCIT 2017, 27 - 29 April 2017

- LXXX. **Feasibility Analysis: Evaluating Sites Possible Renewable Energy Options and their Implications to Minimize the Cost**
Hossain E., BAYINDIR R., Shi F.
Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2017) Power, Circuit and Informational Technologies(ICPCIT-2017), 27 April 2017
- LXXXI. **A Novel Application of Naive Bayes Classifier in Photovoltaic Energy Prediction**
BAYINDIR R., YEŞİLBUDAK M., Colak M., Genç N.
16th IEEE International Conference on Machine Learning and Applications (ICMLA), Cancun, Mexico, 18 - 21 December 2017, pp.523-527
- LXXXII. **Investigating the Effects of Selecting Different Slack Bus on Power Systems**
Sabati A., BAŞARAN K., BAYINDIR R., Padmanaban S., Siano P., Leonowicz Z.
17th IEEE International Conference on Environment and Electrical Engineering (IEEE EEEIC) / 1st IEEE Industrial and Commercial Power Systems Europe (IEEE I and CPS Europe), Milan, Italy, 6 - 09 June 2017
- LXXXIII. **Investigation of the Effects of FACTS Devices on the Voltage Stability of Power Systems**
YEŞİLBUDAK M., ERMIŞ S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, United States Of America, 5 - 08 November 2017, pp.1080-1085
- LXXXIV. **Valuation of Reliability Assessment for Power Systems in Terms of Distribution System, A Case Study**
TÜR M. R., Shobole A., Wadi M., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, United States Of America, 5 - 08 November 2017, pp.1110-1114
- LXXXV. **Hybrid Cascaded Nine Level Inverter using Dspace controller for Standalone Photovoltaic Applications**
Kalaarasi N., Dash S. S., Paramasivam S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, United States Of America, 5 - 08 November 2017, pp.745-750
- LXXXVI. **Analysis and Experimental Investigation for Grid Connected 10 kW Solar PV System in Distribution Networks**
BABU C., DASH S., BAYINDIR R., BEHERA R., SUBRAMANİ C.
Int Conference on Renewable Energy Research and Applications, Birmingham, United Kingdom, 20 - 23 November 2016, pp.772-777
- LXXXVII. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**
DEMİRBAŞ Ş., BAYINDIR R., OVA A., ÇETİNKAYA Ü., YEŞİL M.
Int Conference on Renewable Energy Research and Applications, Birmingham, United Kingdom, 20 - 23 November 2016, pp.314-318
- LXXXVIII. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
HOSSAIN E., PEREZ R., BAYINDIR R.
Int Conference on Renewable Energy Research and Applications, Birmingham, United Kingdom, 20 - 23 November 2016, pp.1068-1073
- LXXXIX. **Implementation of Unit Commitment Algorithm A Comprehensive Droop Control Technique to Retain Microgrid Stability**
Sakib N., Hossain J., Bülbül H. İ., Hossain E., Bayındır R.
Int Conference on Renewable Energy Research and Applications, Birmingham, United Kingdom, 20 - 23 November 2016, pp.1074-1079
- XC. **Implementation of an Adaptive Control Strategy for Solar Photo Voltaic Generators in Microgrids with MPPT and Energy Storage**
RAJESH K., DASH S., BAYINDIR R., SRIDHAR R., RAJAGOPAL R.
Int Conference on Renewable Energy Research and Applications, Birmingham, United Kingdom, 20 - 23 November

2016, pp.776-771

- XCI. **Standarts Based Investigation of Voltage Dips and Voltage Imbalances in an Organized Industrial Zone**
BAYINDIR R., YEŞİLBUDAK M., ERMİŞ S.
Power Electronics and Motion Control Conference 2016, Varna, Bulgaria, 25 - 30 September 2016, pp.469-474
- XCII. **Smart Grid Technologies and Applications** Smart grid technologies can be defined as self sufficient systems that can find solutions to problems quickly in an available system that reduces the workforce and targets sustainable reliable safe and quality electricity to all consumers In this respect different technological applications can be seen from the perspective of researchers and investors The objective of this presentation is expected to be an important guiding source for researchers and engineers studying the smart grid It also helps transmission and distribution system operators to follow the right path as they are transforming their classical grids to smart grids
BAYINDIR R.
IV. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 28 - 31 August 2016
- XCIII. **Joint Project Development**
BAYINDIR R.
International Cyber Security Workshop and Certificate Program, Istanbul Gelisim University, 23 - 27 May 2016
- XCIV. **A Comprehensive Study on Microgrid Modelling Control and Stability**
BAYINDIR R.
Renewable Energy Technology: Future, Opportunity and Challenges for UK and Turkey, 4 - 07 April 2016
- XCV. **Standards-Based Investigation of Voltage Dips and Voltage Imbalances in an Organized Industrial Zone**
BAYINDIR R., YEŞİLBUDAK M., ERMİŞ S.
17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 25 - 30 September 2016, pp.476-481
- XCVI. **A Review of Data Mining and Solar Power Prediction**
YEŞİLBUDAK M., Colak M., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.1117-1121
- XCVII. **The Path of the Smart Grid - The New and Improved Power Grid**
BAYINDIR R., Hossain E., Vadi S.
3rd International Smart Grid Workshop and Certificate Program (ISGWCP), İstanbul, Turkey, 21 - 25 March 2016, pp.62-69
- XCVIII. **Implementation of Unit Commitment Algorithm: A Comprehensive Droop Control Technique to Retain Microgrid Stability**
Sakib N., Hossain J., Bülbül H. İ., Hossain E., Bayındır R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.1074-1079
- XCIX. **Applying the Meta-Heuristic Prediction Algorithm for Modeling Power Density in Wind Power Plant**
KAHRAMAN H. T., AYAZ M. S., Colak I., BAYINDIR R.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, United States Of America, 18 - 20 December 2016, pp.447-451
- C. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
Hossaini E., Perez R., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.1068-1073
- CI. **Hybrid Fuzzy Logic-Artificial Neural Network Controller for Shunt Active Power Filter**
Benyamina A., Moulahoum S., Colak I., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.837-844

- CII. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricity Transmission System**
Demirbas S., BAYINDIR R., Ova A., Cetinkaya U., Yesil M.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.314-318
- CIII. **A Common-Mode Leakage Current Mitigation for PV-Grid. Connected Three-Phase Three-Level Transformerless T-type-NPC-MLI**
Bharatiraja C., Munda J. L., BAYINDIR R., Tariq M.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.578-583
- CIV. **k-Means Partition of Monthly Average Insolation Period Data for Turkey**
YEŞİLBUDAK M., Colak I., BAYINDIR R.
15th IEEE International Conference on Machine Learning and Applications (ICMLA), California, United States Of America, 18 - 20 December 2016, pp.436-440
- CV. **Implementation of a Hybrid Renewable Energy Plant with Remote Monitoring Feature**
KABALCI E., BAYINDIR R.
International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES), Chennai, India, 22 - 23 April 2015, vol.394, pp.1093-1103
- CVI. **MATLAB/GUI Based Wind Turbine Generator Types on Smart Grid Systems**
AYAZ M. S., Colak I., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, United Kingdom, 20 - 23 November 2016, pp.1158-1162
- CVII. **Effects of Renewable Energy Sources on the Power System**
BAYINDIR R., DEMİRBAŞ Ş., IRMAK E., Cetinkaya U., Ova A., Yesil M.
17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 25 - 30 September 2016, pp.388-393
- CVIII. **Design a Grid Tie Inverter for PMSG Wind Turbine using FPGA & DSP Builder**
Colak I., Hossain E., BAYINDIR R., Hossain J.
17th IEEE International Power Electronics and Motion Control Conference (PEMC), Varna, Bulgaria, 25 - 28 September 2016, pp.372-377
- CIX. **Designing a Competitive Electric Vehicle Charging Station with Solar PV and Storage**
ÇOLAK İ., BAYINDIR R., Aksöz A., Sayılğan S., Hossain E.
IEEE 37th International Telecommunication Energy Conference (INTELEC2015), 18 - 22 October 2015
- CX. **Akıllı Şebeke Yönetimi ve Güvenliği**
BAYINDIR R.
AKILLI BELEDİYESİLİK ZİRVESİ, Bursa, Turkey, 14 - 15 May 2015
- CXI. **Kamu Binaları için Mikro Şebeke Tasarımı ve Ekonomik Değerlendirmesi**
ÇETİNKAYA Ü., BAYINDIR R.
3. Uluslararası İstanbul Akıllı Şebekeler Kongre ve Fuarı, 29 - 30 April 2015
- CXII. **Implementation of a Hybrid Renewable Energy Plant with Remote Monitoring Features**
KABALCI E., BAYINDIR R.
The Joint International Conference on Communication, Computing and Power Technologies (ICCCPT-2015) and the International Conference on Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES-2015), 22 - 23 April 2015
- CXIII. **Statistical Scenarios for Demand Forecast of a High Voltage Feeder: A Comparative Study**
BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U., BÜLBÜL H. İ., Arslan F.
IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, United States Of America, 9 - 11 December 2015, pp.1056-1061
- CXIV. **Multi-Period Prediction of Solar Radiation Using ARMA and ARIMA Models**
Colak I., YEŞİLBUDAK M., Genç N., BAYINDIR R.
IEEE 14th International Conference on Machine Learning and Applications ICMLA, Florida, United States Of America, 9 - 11 December 2015, pp.1045-1049

- CXV. Short-Circuit Fault Analysis on Microgrid**
BAYINDIR R., IRMAK E., ISSI F., GÜLER N.
4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, Italy, 22 - 25 November 2015, pp.1248-1252
- CXVI. Load and Short-Circuit Analyses of the Electricity Transmission System for Industry Regions in Ankara**
BAYINDIR R., YEŞİLBUDAK M., Cetinkaya U.
4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, Italy, 22 - 25 November 2015, pp.1243-1247
- CXVII. Experimental Design of a Finite State model Predictive Control for Improving Power Factor of Boost Rectifier**
Bouafassa A., Rahmani L., Babes B., BAYINDIR R.
15th IEEE International Conference on Environment and Electrical Engineering (EEEIC), Rome, Italy, 10 - 13 June 2015, pp.1556-1561
- CXVIII. Voltage and Frequency Stability Analysis of AC Microgrid**
Colak I., BAYINDIR R., Al-Nussari M., Hossain E.
IEEE International Telecommunications Energy Conference (INTELEC), Namba, PEOPLES R CHINA, 18 - 22 October 2015
- CXIX. Dual DC-DC Converter and Monitoring Interface for Asymmetrical String Inverters**
KABALCI E., BAYINDIR R., GÖKKUŞ G., Kabalci Y.
4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, Italy, 22 - 25 November 2015, pp.1580-1585
- CXX. Hybrid microgrid testbed involving wind solar fuel cell plants A desing and analysis testbed**
BAYINDIR R., BEKİROĞLU E., Hossain E., KABALCI E.
International Conference on Energy Research and Application (ICRERA), 19 - 22 October 2014
- CXXI. New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues**
Babu A., Chandra P., SS D., BAYINDIR R.
IEEE Conference: 16th International Power Electronics and Motion Control Conference and Exposition (PEMC), 21 - 24 September 2014
- CXXII. Hybrid Microgrid Testbed Involving Wind/Solar/Fuel Cell Plants**
KABALCI E., BAYINDIR R., Hossain E.
3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, United States Of America, 19 - 22 October 2014, pp.880-885
- CXXIII. Microgrid Facility at European Union**
BAYINDIR R., Hossain E., BEKİROĞLU E., KABALCI E.
3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, United States Of America, 19 - 22 October 2014, pp.865-872
- CXXIV. A New Control Strategy with Fuzzy Logic Technique in Distribution System for Power Quality Issues**
Babu P. C., Dash S. S., BAYINDIR R., Subramani C., Mohanty M. N.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.1110-1115
- CXXV. Microgrid Test-bed Design with Renewable Energy Sources**
KABALCI E., Hossain E., BAYINDIR R.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.907-911
- CXXVI. Microgrid facility around Asia and Far East**
Hossain E., KABALCI E., BAYINDIR R., DEMİRBAŞ Ş.
3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, United States Of America, 19 - 22 October 2014, pp.873-879
- CXXVII. Matlab/GUI based basic design principles of PID controller in AVR**
BÜLBÜL H. İ., BAYINDIR R., bayram M., CAN C.

Power Engineering, Energy and Electrical Drives (POWERENG), 2013, İstanbul, Turkey, 13 May 2013 - 17 May 2103

CXXVIII. Developments of Turkish grid system infrastructure for integration with Europe

ÇOLAK İ., Fulli G., Vitiello S., Tekin I., BAYINDIR R., Demirtaş K.

4th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG'13), 13 - 17 May 2013

CXXIX. Implementation of a PLC and OPC based DC motor control laboratory

BAYINDIR R., VADİ S., GOKSUCUKUR F.

Power Engineering, Energy and Electrical Drives (POWERENG), 13 - 15 May 2013

CXXX. C.NET and MATLABsupx00AE/sup based simulation program for basic electrical circuits

BAYINDIR R., KAPLAN O., CAN C.

International Aegean Conference on Electrical Machines and Power Electronics and Electromotion, Joint Conference, Istanbul, Turkey, 8 - 10 September 2011

CXXXI. An Intelligent Tool for ANN Based Power Factor Correction

Sesveren O., BAYINDIR R.

12th International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 4 - 07 December 2013, pp.218-223

CXXXII. Optimization of operating conditions of photovoltaic systems: A case study

BAYINDIR R., Kabalci E., Bulbul H. İ., Can C.

1st International Conference on Renewable Energy Research and Applications, ICRERA 2012, Nagasaki, Japan, 11 - 14 November 2012

CXXXIII. Optimization of operating conditions of photovoltaic Systems a case study

BAYINDIR R., KABALCI E., BÜLBÜL H. İ., CAN C.

International Conference on renewable energy research and applications, 12 - 14 November 2012

CXXXIV. Development of Matlab GUI Based Analysis Tool for Wind Turbines

BAYINDIR R., KABALCI E., KEVEN G., CAN C.

The European Conference & Workshop on Renewable Energy Systems, 17 - 28 September 2012

CXXXV. Modelling of an Advanced Metering Infrastructure to Observe the Renewable Microgrids

KABALCI E., KABALCI Y., BAYINDIR R.

IEEE 21st International Symposium on Power Electronics, Electrical Drives, Automation and Motion-SPEEDAM 2012, 20 - 22 June 2012

CXXXVI. Cogging Torque Exploration of Radially and Angularly Directed Fluxes in a New PM Generator with the Multiple Stators

ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R.

Seventh International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'12), Monte-Carlo, Monaco, 22 - 25 March 2012

CXXXVII. An Intelligent Power Factor Correction Approach Based on Linear Regression and Ridge Regression Methods

BAYINDIR R., GÖK M., KABALCI E., KAPLAN O.

2011 10th International Conference on Machine Learning and Applications and Workshops, Honolulu, HI, 18 - 21 December 2011

CXXXVIII. Microcontroller Based Electrical Machines Training Set

BAYINDIR R., KABALCI E., Kaplan O., Oz Y. E.

15th International Power Electronics and Motion Control Conference and Exposition (EPE-PEMC ECCE Europe), Novi-Sad, Serbia, 4 - 06 September 2012

CXXXIX. Excitation Current Forecasting for Reactive Power Compensation in Synchronous Motors: A Data Mining Approach

BAYINDIR R., YEŞİLBUDAK M., Colak I., SAĞIROĞLU Ş.

11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 12 - 15 December 2012, pp.521-525

CXL. Application of Adaptive Artificial Neural Network Method to Model the Excitation Currents of

Synchronous Motors

BAYINDIR R., Colak I., SAĞIROĞLU Ş., KAHRAMAN H. T.

11th IEEE International Conference on Machine Learning and Applications (ICMLA), Florida, United States Of America, 12 - 15 December 2012, pp.498-502

CXLI. Monitoring Parameters of Synchronous Motor Via Internet

BAYINDIR R., Vadi S.

1st International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japan, 11 - 14 November 2012

CXLII. A comparative study of harmonic extraction methods for single phase shunt active power filter

ÇOLAK İ., BAYINDIR R., IRMAK E., KAPLAN O.

2011 International Conference on Power Engineering, Energy and Electrical Drives, Malaga, Spain, 11 - 13 May 2011

CXLIII. Investigation of the effect of magnet thickness on output power and torque of PM BLDC machines using parametric approach method

BAYINDIR R., OCAK C., TOPALOĞLU İ.

IEEE 3th International Conference on Power Engineering, Energy and Electrical Drives, Malaga, Spain, Spain, 11 - 13 May 2011, vol.1, pp.1-4

CXLIV. MATLAB GUI based simulation for photovoltaic systems

BAYINDIR R., ÇOLAK İ., KAPLAN O., CAN C.

2011 International Conference on Power Engineering, Energy and Electrical Drives, Malaga, Spain, Spain, 11 - 13 May 2011, pp.1-4

CXLV. Investigation of the effect of magnet thickness on motor losses of PM BLDC machines using parametric approach method

BAYINDIR R., TOPALOĞLU İ., OCAK C.

IEEE 3th International Conference on Power Engineering, Energy and Electrical Drives, Malaga, Spain, Spain, 11 - 13 May 2011, vol.1, pp.1-4

CXLVI. A Novel Converter Design and Optimisation for Solar Energy System

ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R.

Sixth International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'11), Monte-Carlo, Monaco, 31 March - 03 April 2011, pp.1-11

CXLVII. A novel technique for power factor calculation using a PLC

BAYINDIR R., ÇOLAK İ., KAPLAN O.

6th International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'11), 31 March - 03 April 2011

CXLVIII. Modelling a 7-Level Asymmetrical H-Bridge Multilevel Inverter with PS-SPWM Control

KABALCI E., Colak I., BAYINDIR R., Pavlitov C.

International Aegean Conference on Electrical Machines and Power Electronics / Electromotion Joint Conference, İstanbul, Turkey, 8 - 10 September 2011, pp.578-583

CXLIX. C#.NET and MATLAB((R)) Based Simulation Program for Basic Electrical Circuits

BAYINDIR R., KAPLAN O., Can C.

International Aegean Conference on Electrical Machines and Power Electronics / Electromotion Joint Conference, İstanbul, Turkey, 8 - 10 September 2011, pp.430-435

CL. DC Bus Voltage Regulation of an Active Power Filter Using a Fuzzy Logic Controller

ÇOLAK İ., BAYINDIR R., KAPLAN O., Taş F.

2010 Ninth International Conference on Machine Learning and Applications, Washington, DC, USA, United States Of America, 12 - 14 December 2010, pp.692-696

CLI. Trafosuz Elektrofüzyon Kaynak Makinesinin Güç Devresi Benzetimi

BAYINDIR R., DEMİRTAŞ M., GÖZTAŞ M.

Elektrik - Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO 2010), Bursa, Turkey, 2 - 05 December 2010

CLII. Design and simulation of a drive system for speed control of travelling wave ultrasonic motor

ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R., YEŞİLBUDAK M.

SPEEDAM 2010, Pisa, Italy, Italy, 14 - 16 June 2010, pp.1783-1788

- CLIII. **A Novel Data Acquisition System for Monitoring Hybrid Energy Systems**
ÇOLAK İ., DEMİRTAŞ M., BAYINDIR R.
Fifth International Conference and Exhibition on Ecological Vehicles and Renewable Energies (EVER'10), Monte-Carlo, Monaco, 25 - 28 March 2010
- CLIV. **A Modified Harmonic Mitigation Analysis Using Third Harmonic Injection PWM in a Multilevel Inverter Control**
Colak I., BAYINDIR R., KABALCI E.
14th International Power Electronics and Motion Control Conference (EPE-PEMC), Ohrid, Macedonia, 6 - 08 September 2010
- CLV. **The design and analysis of a 5-level cascaded voltage source inverter with low THD**
Colak I., KABALCI E., BAYINDIR R., Sagioglu Ş.
2nd International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2009, Lisbon, Portugal, 18 - 20 March 2009, pp.575-580
- CLVI. **Application of Microcontroller Based Meteorology Station**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- CLVII. **Simulation of Speed Control for Travelling Wave Ultrasonic Motor**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- CLVIII. **Simulation of Parallel Connected DC DC Boost Converter for Hybrid Energy Sources**
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Turkey, 13 - 15 May 2009
- CLIX. **The Fuzzy Logic Control of a Multilevel Converter in a Variable Speed Wind Turbine**
BAYINDIR R., Colak I., KABALCI E., IRMAK E.
8th International Conference on Machine Learning and Applications, Florida, United States Of America, 13 - 15 December 2009, pp.787-788
- CLX. **Modeling of a three phase SPWM multilevel VSI with low THD using Matlab/Simulink**
Colak I., KABALCI E., BAYINDIR R., BAL G.
13th European Conference on Power Electronics and Applications (EPE 2009), Barcelona, Spain, 8 - 10 September 2009, pp.3132-3134
- CLXI. **Development of an Intelligent Decision Support System for Determining the Efficiency of Shunt Active Power Filter**
SAĞIROĞLU Ş., BAYINDIR R., KAPLAN O., Kahraman H. T.
8th International Conference on Machine Learning and Applications, Florida, United States Of America, 13 - 15 December 2009, pp.626-628
- CLXII. **PID Controlled Synchronous Motor for Power Factor Correction**
BAYINDIR R., Colak I., KABALCI E., Gorgun A.
2nd International Conference on Power Engineering, Energy and Electrical Drives, Lisbon, Portugal, 18 - 20 March 2009, pp.397-398
- CLXIII. **Design of an Intelligent Decision Making System for a Travelling Wave Ultrasonic Motor**
Colak I., BAYINDIR R., Kahraman H. T., Yesilbudak M.
8th International Conference on Machine Learning and Applications, Florida, United States Of America, 13 - 15 December 2009, pp.669-672
- CLXIV. **Reaktif Güç Kompanzasyonu Uygulamalarının Eğitim Amaçlı Benzetimi**
ÇOLAK İ., KAPLAN O., BAYINDIR R., KUNDAKOĞLU H.
ELECO 2008, Bursa, Turkey, 26 - 30 November 2008
- CLXV. **A User Friendly Educational Tool for Observing Synchronous Motor Operation Conditions**
BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ., GÖRGÜN A.
4. International Conference on Technical and Physical Problems in Power Engineering, 4 - 06 September 2008
- CLXVI. **A Web Based Real Time Speed Control Experiment on Ultrasonic Motor for Educational Purposes**

IRMAK E., BAYINDIR R., Colak I., SAĞIROĞLU Ş., BAL G.

International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Ischia, Italy, 11 - 13 June 2008, pp.1451-1452

CLXVII. Protection of induction motor using PLC

Colak I., BAYINDIR R., Bektas A., Sefa İ., Bal G.

International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2007, Setúbal, Portugal, 12 - 14 April 2007, pp.96-99

CLXVIII. Microcontroller based protection of induction motors

ÇOLAK İ., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ., BAL G.

3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.164-167

CLXIX. Remote Control Of DC Motor Over the Internet

ÇOLAK İ., DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R.

3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.216-219

CLXX. Developing of a control unit for the parallel operation of AC generators

ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., BAL G.

3rd International Conference on Technical and Physical Problems in Power Engineering, Ankara, Turkey, 29 - 31 May 2006, pp.134-137

CLXXI. Hibrit Enerji Sistemleri İçin Paralel Çalışabilen Boost Konvertör Simülasyonu

ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRBAŞ Ş., DEMİRTAŞ M.

VI. Ulusal Temiz Enerji Sempozyumu-UTES'2006, Isparta, Turkey, 25 - 27 May 2006

CLXXII. Güneş Pillerinin Elektrik Enerjisi Üretiminde Kullanımı

ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRBAŞ Ş., DEMİRTAŞ M.

VI. Ulusal Temiz Enerji Sempozyumu-UTES'2006, Isparta, Turkey, 25 - 27 May 2006

CLXXIII. Temel Elektrik Devrelerinin Analizi için İnternet Tabanlı Bir Eğitim Aracı

ÇOLAK İ., IRMAK E., SEFA İ., DEMİRBAŞ Ş., BAYINDIR R.

6th International Educational Technology Conference, FAMAGUSTA, Cyprus (Kktc), 19 - 21 April 2006, pp.446-451

CLXXIV. Açık veya Kapalı Döngü Denetim Sistemlerinin Web Tabanlı Benzetimi

ÇOLAK İ., IRMAK E., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.

6 th International Educational Technology Conference, Eastern Mediterranean University, Gazimagusa, Cyprus (Kktc), 19 - 21 April 2006, pp.446-451

CLXXV. Açık ve Kapalı Döngü Denetim Sistemlerinin Web Tabanlı Benzetimi

ÇOLAK İ., IRMAK E., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.

6. International Educational Technology Conference, 19 - 21 April 2006

CLXXVI. Doğru Akım Motorunun Web Tabanlı Modellenmesi ve Analizi

DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.

Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005

CLXXVII. Doğru Akım Motorlarının Web Tabanlı Modellenmesi ve Analizi

DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.

Bilimde Modern Yöntemler Sempozyumu, Turkey, 16 - 18 November 2005

CLXXVIII. Bulanık Mantık Denetimli Senkron Motor İle Reaktif Güç Kompanzasyonu Benzetimi

BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ.

Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Turkey, 16 - 18 November 2005

CLXXIX. Alternatif Enerji Kaynaklarının Kullanımı

ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ergen h.

III. Yenilenebilir Enerji Kaynakları Sempozyumu ve Sergisi, Mersin, Turkey, 19 - 21 October 2005

CLXXX. 2005. Microcontroller Based Control Unit for a Friction Welding Machine

BAYINDIR R., ATEŞ H.

ICRM 2005 The 3rd International Conference on Responsive Manufacturing, China, 165-171 (12-14 September 2005), China, 12 September 2005, pp.165-171

- CLXXXI. **Teknik Eğitimde İnternet Teknolojisinin Kullanımı**
ÇOLAK İ., DEMİRBAŞ Ş., IRMAK E., BAYINDIR R.
1. Uluslararası Mesleki ev Teknik Eğitim Teknolojileri Kongresi, 5 - 07 September 2005
- CLXXXII. **Sanayide Enerji Verimliliği**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., arslan c.
1. Enerji Verimliliği ve Kalite Sempozyumu, TMMOB Elektrik Mühendisleri Odası Kocaeli Şubesi, Kocaeli, Turkey, 17 - 18 May 2005, pp.336-339
- CLXXXIII. **Güneş Takip Sistemi Tasarım ve Uygulaması**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., DEMİRTAŞ M.
1. Enerji Verimliliği ve Kalite Sempozyumu, TMMOB Elektrik Mühendisleri Odası Kocaeli Şubesi, Turkey, 17 - 18 May 2005, pp.301-305
- CLXXXIV. **Design of A Hybrid Energy Power System Using Solar and Wind Power**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRTAŞ M.
2nd International Conference on Technical and Physical Problems in Power Engineering, Tebriz, Iran, 15 - 19 September 2004
- CLXXXV. **Design and Hybrid Energy Power System Using Solar and Wind Energy**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRTAŞ M.
2nd International Conference on Technical and Physical Problems in Power Engineering, tebriz, Iran, 2 - 08 September 2004, pp.776-778

Expert Reports

- I. **Wide Input and Load Integral Gain Changeable Digital Control DC DC Converter**
BAYINDIR R.
2015
- II. **A New Synchronous Rectification for Phase Shift Modulation LLC Resonant Converter**
BAYINDIR R.
2015

Supported Projects

BAYINDIR R., Project Supported by Higher Education Institutions, WEB TABANLI FOTOVOLTAİK SİSTEMLERİN EĞİTİMİ VE GERÇEK ZAMANLI İZLEME SİSTEMİ UYGULAMASI, 2011 - 2013

BAYINDIR R., Project Supported by Higher Education Institutions, Senkron Motor ile Reaktif Güç Kompanzasyonu Benzetimi için Web Tabanlı Bir Eğitim Aracı, 2011 - 2013

BAYINDIR R., Project Supported by Higher Education Institutions, PLC İLE MOTOR KONTROL DENEYLERİNİN GERÇEKLEŞTİRİLMESİ İÇİN BİR EĞİTİM LABORATUARİ OLUŞTURULMASI, 2011 - 2012

BAYINDIR R., Project Supported by Higher Education Institutions, Senkron Motorun Parametrelerinin İnternet Üzerinden İzlenmesi, 2011 - 2012

BAYINDIR R., Project Supported by Higher Education Institutions, ENDÜSTRİYEL OTOMASYONDA İNTERNET TABANLI KABLOSUZ VERİ İLETİŞİMİ, 2009 - 2010

BAYINDIR R., Project Supported by Higher Education Institutions, PASİF HARMONİK FİLTRE TASARIMI VE UYGULAMASI, 2008 - 2010

BAYINDIR R., Project Supported by Higher Education Institutions, Elektrik Enerjisi Üretim Sistemleri İçin Otomatik Paralel Bağlama Ünitesi, 2007 - 2008

BAYINDIR R., Project Supported by Higher Education Institutions, Mikrodenetleyici Tabanlı Reaktif Güç Kompanzasyonu, 2005 - 2007

Activities in Scientific Journals

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, First Editor, 2013 - 2021

Metrics

Publication: 295

Citation (WoS): 1868

Citation (Scopus): 2806

H-Index (WoS): 21

H-Index (Scopus): 26

Non Academic Experience

MEB