

Prof.Dr. RAMAZAN BAYINDIR

Kişisel Bilgiler

E-posta: bayindir@gazi.edu.tr

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

Biyografi

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.

Eğitim Bilgileri

Doktora, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Dr), Türkiye 1998 - 2002

Yüksek Lisans, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (Tezli), Türkiye 1995 - 1998

Lisans, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Türkiye 1989 - 1992

Araştırma Alanları

Enerji, Doğrudan Enerji Dönüşümü ve Enerji Depolaması , Güç Sistemlerinin Analizi , Enerji Üretim İstasyonları ve Tesisleri , Enerji İletimi ve Dağıtımı , Yenilenebilir Enerji, Yüksek Gerilim Teknikleri

Akademik Unvanlar / Görevler

Prof.Dr., Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - Devam Ediyor

Yrd.Doç.Dr., Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2007 - 2007

Öğretim Görevlisi, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 2002 - 2007

Araştırma Görevlisi, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, 1996 - 2002

Akademik İdari Deneyim

Rektör Yardımcısı, Gazi Üniversitesi, Rektörlük, 2020 - Devam Ediyor

Rektörlük Kalite Komisyonu Üyesi, Gazi Üniversitesi, Rektörlük, 2020 - Devam Ediyor

Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2020 - 2020

Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2017 - 2019

Bölüm Başkanı, Gazi Üniversitesi, Teknoloji Fakültesi, Elektrik - Elektronik Mühendisliği, 2016 - 2017

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

MYO Müdürü, Gazi Üniversitesi, Gazi Meslek Yüksekokulu, 2011 - 2012

Yönetilen Tezler

BAYINDIR R., Fotovoltaik güç tahmini için metasezgisel optimizasyon tabanlı hibrit model tasarımı ve analizi, Doktora, M.ÇOLAK(Öğrenci), 2020

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

BAYINDIR R., Güneş panelleri için aa modül tasarımı ve uygulaması, Yüksek Lisans, C.CAN(Öğrenci), 2019

BAYINDIR R., Householder Yöntemi İle Güç Sistemlerinde Küçük Sinyal Kararlılığının İncelenmesi, A.Sabati(Öğrenci), 2019

BAYINDIR R., Householder yöntemi ile güç sistemlerinde küçük sinyal kararlılığının incelenmesi, Yüksek Lisans, A.SABATI(Öğrenci), 2019

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

BAYINDIR R., Güç sistemlerinde gerilim kararlılığının optimizasyonunda yeni bir akıllı yöntem geliştirilmesi ve uygulaması, Doktora, S.ERMİŞ(Öğrenci), 2018

BAYINDIR R., Çatı tipi güneş enerji santralleri ve dağıtım tesislerine bağlantı kriterleri, Yüksek Lisans, F.ÖNCİN(Öğrenci), 2018

BAYINDIR R., Enerji sistemlerinde dinamik güç akışı izleme ve gerilim kararlılık analizi, Yüksek Lisans, Ü.ÇETİNKAYA(Öğrenci), 2016

BAYINDIR R., Usulsüz elektrik enerji kullanımını önlemeye yönelik sistem tasarımı ve uygulaması, Yüksek Lisans, K.DEMİRTAŞ(Öğrenci), 2014

BAYINDIR R., Sabit kondansatörlü tristör kontrollü reaktör ile güç katsayısının düzeltilmesi, Yüksek Lisans, A.KÖSE(Öğrenci), 2014

BAYINDIR R., Senkron motor ile reaktif güç kompanzasyonu benzetimi için web tabanlı bir eğitim aracı, Yüksek Lisans, S.VADİ(Öğrenci), 2014

BAYINDIR R., Bir pnömatik motor kontrol sisteminin teorik ve deneysel analizi, Doktora, H.GÜNEŞ(Öğrenci), 2012

BAYINDIR R., Asenkron motor büyüklüklerinin Zigbee haberleşme protokolü kullanılarak izlenmesi, Yüksek Lisans, M.ŞEN(Öğrenci), 2010

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

BAYINDIR R., ASENKRON MOTOR BÜYÜKLÜKLERİNİN ZİGBEE HABERLEŞME PROTOKOLÜ KULLANILARAK İZLENMESİ, M.ŞEN(Öğrenci), 2010

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

BAYINDIR R., Seramik pişirme fırınının tasarımı ve denetimi, Yüksek Lisans, S.BULUT(Öğrenci), 2010

BAYINDIR R., Endüstriyel otomasyonda internet tabanlı kablosuz veri iletişimi, Yüksek Lisans, Y.ÇETİNCEVİZ(Öğrenci), 2010

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

BAYINDIR R., Yapay sinir ağları denetimli senkron motor ile reaktif güç kompanzasyonu, Yüksek Lisans, A.GÖRGÜN(Öğrenci), 2009

BAYINDIR R., YAPAY SİNİR AĞLARI DENETİMLİ SENKRON MOTOR İLE REAKTİF GÜÇ KOMPANZASYONU,

A.GÖRGÜN(Öğrenci), 2009

BAYINDIR R., YAPAY SİĞNİR AGLARI TEMELLİ REAKTİF GÜÇ KOMPANZASYONU EGİTİM SETİ TASARIMI,

Ö.SESVEREN(Öğrenci), 2008

BAYINDIR R., Yapay sinir ağları temelli reaktif güç kompanzasyonu eğitim seti tasarımı, Yüksek Lisans,

Ö.SESVEREN(Öğrenci), 2008

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

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **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.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, 2020 (SCI İndekslerine Giren Dergi)
- II. **Feasibility analysis: Evaluating sites for possible renewable energy options and their implications to minimize the cost**
Hossain E., Shi F., BAYINDIR R., Hossain J.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, 2020 (SCI İndekslerine Giren Dergi)
- III. **Analysis of pumped hydroelectric energy storage for large-scale wind energy integration**
Carew N., Warnock W., BAYINDIR R., Hossain E., Rakin A. S.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, 2020 (SCI İndekslerine Giren Dergi)
- IV. **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, cilt.45, sa.3, ss.1553-1566, 2020 (SCI İndekslerine Giren Dergi)
- V. **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, cilt.13, sa.4, 2020 (SCI İndekslerine Giren Dergi)
- VI. **A Review of Control Methods on Suppression of 2 *< italic > & x03C9;</italic > Ripple for Single-Phase Quasi-Z-Source Inverter***
VADİ S., BAYINDIR R., Hossain E.
IEEE ACCESS, cilt.8, ss.42055-42070, 2020 (SCI İndekslerine Giren Dergi)
- VII. **A Review on Communication Standards and Charging Topologies of V2G and V2H Operation Strategies**
VADİ S., BAYINDIR R., Colak A. M., Hossain E.
ENERGIES, cilt.12, sa.19, 2019 (SCI İndekslerine Giren Dergi)
- VIII. **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, cilt.12, sa.18, 2019 (SCI İndekslerine Giren Dergi)
- IX. **Small Signal Stability with the Householder Method in Power Systems**
Sabati A., BAYINDIR R., Padmanaban S., Hossain E., Tur M. R.
ENERGIES, cilt.12, sa.18, 2019 (SCI İndekslerine Giren Dergi)
- X. **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, cilt.12, sa.18, 2019 (SCI İndekslerine Giren Dergi)
- XI. **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, cilt.25, sa.25, ss.24517-24519, 2018 (SCI İndekslerine Giren Dergi)

- XII. **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, cilt.11, sa.8, 2018 (SCI İndekslerine Giren Dergi)
- XIII. **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, cilt.13, sa.2, ss.659-668, 2018 (SCI İndekslerine Giren Dergi)
- XIV. **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, cilt.96, ss.442-456, 2018 (SCI İndekslerine Giren Dergi)
- XV. **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, cilt.35, ss.431-438, 2018 (SCI İndekslerine Giren Dergi)
- XVI. **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, cilt.152, ss.357-366, 2017 (SCI İndekslerine Giren Dergi)
- XVII. **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, cilt.10, sa.10, 2017 (SCI İndekslerine Giren Dergi)
- XVIII. **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, cilt.45, sa.19, ss.2200-2215, 2017 (SCI İndekslerine Giren Dergi)
- XIX. **Smart grid technologies and applications**
BAYINDIR R., Colak I., Fulli G., Demirtas K.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.66, ss.499-516, 2016 (SCI İndekslerine Giren Dergi)
- XX. **Design and experimental analysis of an advanced static VAR compensator with computer aided control**
Irmak E., Bayındır R., Köse A.
ISA TRANSACTIONS, cilt.64, ss.384-393, 2016 (SCI İndekslerine Giren Dergi)
- XXI. **Microgrid testbeds around the world: State of art**
Hossain E., KABALCI E., BAYINDIR R., Perez R.
ENERGY CONVERSION AND MANAGEMENT, cilt.86, ss.132-153, 2014 (SCI İndekslerine Giren Dergi)
- XXII. **Smart grid opportunities and applications in Turkey**
Colak I., BAYINDIR R., Fulli G., Tekin I., Demirtas K., Covrig C.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.33, ss.344-352, 2014 (SCI İndekslerine Giren Dergi)
- XXIII. **Real-Time Monitoring and Control of the Parameters of an Induction Motor**
BAYINDIR R., VADİ S.
ELEKTRONIKA IR ELEKTROTEHNIKA, cilt.19, sa.10, ss.145-150, 2013 (SCI İndekslerine Giren Dergi)
- XXIV. **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., Sagirolu Ş.
Energy Conversion and Management, cilt.64, ss.129-138, 2012 (SCI Expanded İndekslerine Giren Dergi)

- XXV. **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, cilt.51, sa.3, ss.461-470, 2012 (SCI İndekslerine Giren Dergi)
- XXVI. **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, cilt.19, sa.4, ss.747-758, 2011 (SCI İndekslerine Giren Dergi)
- XXVII. **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, cilt.50, sa.2, ss.321-328, 2011 (SCI İndekslerine Giren Dergi)
- XXVIII. **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, cilt.26, sa.1, ss.73-79, 2011 (SCI İndekslerine Giren Dergi)
- XXIX. **Review of multilevel voltage source inverter topologies and control schemes**
Colak I., KABALCI E., BAYINDIR R.
ENERGY CONVERSION AND MANAGEMENT, cilt.52, sa.2, ss.1114-1128, 2011 (SCI İndekslerine Giren Dergi)
- XXX. **Development of a real time energy monitoring platform**
BAYINDIR R., IRMAK E., Colak I., Bektas A.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.33, sa.1, ss.137-146, 2011 (SCI İndekslerine Giren Dergi)
- XXXI. **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, cilt.25, sa.1, ss.39-48, 2010 (SCI İndekslerine Giren Dergi)
- XXXII. **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, cilt.24, sa.4, ss.715-723, 2009 (SCI İndekslerine Giren Dergi)
- XXXIII. **Design and implementation of a neural controller for power factor correction**
Sagiroglu Ş., BAYINDIR R., Colak I.
Engineering Intelligent Systems, cilt.17, sa.4, ss.209-220, 2009 (SCI Expanded İndekslerine Giren Dergi)
- XXXIV. **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, cilt.24, sa.1, ss.105-117, 2009 (SCI İndekslerine Giren Dergi)
- XXXV. **An intelligent power factor corrector for power system using artificial neural networks**
BAYINDIR R., Sagiroglu Ş., Colak I.
Electric Power Systems Research, cilt.79, sa.1, ss.152-160, 2009 (SCI Expanded İndekslerine Giren Dergi)
- XXXVI. **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, cilt.23, sa.3, ss.681-688, 2008 (SCI İndekslerine Giren Dergi)
- XXXVII. **Fault detection and protection of induction motors using sensors**

- BAYINDIR R., SEFA İ., Colak I., Bektas A.
IEEE TRANSACTIONS ON ENERGY CONVERSION, cilt.23, sa.3, ss.734-741, 2008 (SCI İndekslerine Giren Dergi)
- XXXVIII. **Microcontroller based digitally controlled ultrasonic motor drive system**
Bal G., BEKİROĞLU E., BAYINDIR R., Uzel H.
JOURNAL OF ELECTROCERAMICS, cilt.20, ss.265-270, 2008 (SCI İndekslerine Giren Dergi)
- XXXIX. **Low-cost and high sensitively microcontroller based control unit for a friction welding machine**
BAYINDIR R., ATEŞ H.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, cilt.189, ss.126-131, 2007 (SCI İndekslerine Giren Dergi)
- XL. **Novel approach based on microcontroller to online protection of induction motors**
BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.48, sa.3, ss.850-856, 2007 (SCI İndekslerine Giren Dergi)
- XLI. **Design and construction of an electrical furnace to fire ceramic product**
BAYINDIR R.
JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH, cilt.66, sa.2, ss.135-140, 2007 (SCI İndekslerine Giren Dergi)
- XLII. **A novel control unit for a friction welding machine based on computer**
BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, cilt.22, sa.1, ss.102-106, 2007 (SCI İndekslerine Giren Dergi)
- XLIII. **Power factor correction technique based on artificial neural networks**
Sagiroglu Ş., Colak I., BAYINDIR R.
Energy Conversion and Management, cilt.47, ss.3204-3215, 2006 (SCI Expanded İndekslerine Giren Dergi)
- XLIV. **A novel dynamic reactive power compensator based on PIC**
Colak I., BAYINDIR R.
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.33, sa.8, ss.861-876, 2005 (SCI İndekslerine Giren Dergi)
- XLV. **Comparison of the constructed control methods for a friction-welding machine**
BAYINDIR R., ATEŞ H.
MATERIALS AND MANUFACTURING PROCESSES, cilt.20, sa.2, ss.131-146, 2005 (SCI İndekslerine Giren Dergi)
- XLVI. **Experimental study on reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Sefa İ.
ENERGY CONVERSION AND MANAGEMENT, cilt.45, ss.2371-2391, 2004 (SCI İndekslerine Giren Dergi)
- XLVII. **Reactive power compensation using a fuzzy logic controlled synchronous motor**
Colak I., BAYINDIR R., Bay Ö. F.
ENERGY CONVERSION AND MANAGEMENT, cilt.44, sa.13, ss.2189-2204, 2003 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **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 (Diğer Kurumların Hakemli Dergileri)
- II. **Doğru Akım Motoru Kapalı Çevrim Hız Denetim Sistemindeki Pİ Parametrelerinin Genetik ve Parçacık Sürü Algoritması Kullanarak Optimizasyonu**
VADİ S., BAYINDIR R.
Veri Bilimi, cilt.2, sa.2, ss.51-60, 2019 (Diğer Kurumların Hakemli Dergileri)
- III. **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, cilt.2, sa.3, ss.103-107, 2019 (Diğer Kurumların Hakemli Dergileri)
- IV. **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, cilt.3, sa.1, ss.18-24, 2019 (Diğer Kurumların Hakemli Dergileri)

- V. **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, cilt.9, sa.1, ss.470-479, 2019 (ESCI İndekslerine Giren Dergi)
- VI. **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, cilt.2, sa.4, ss.197-202, 2018 (Diğer Kurumların Hakemli Dergileri)
- VII. **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, cilt.2, sa.4, ss.197-202, 2018 (Diğer Kurumların Hakemli Dergileri)
- VIII. **Ankara ilinin uzun dönem global güneş ışınım 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, cilt.6, sa.1, ss.189-203, 2018 (Diğer Kurumların Hakemli Dergileri)
- IX. **What are the Current Status and Future Prospects in Solar Irradiance and Solar Power Forecasting?**
YEŞİLBUDAK M., ÇOLAK M., BAYINDIR R.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.8, sa.1, ss.635-648, 2018 (ESCI İndekslerine Giren Dergi)
- X. **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, cilt.5, sa.3, ss.237-246, 2017 (Diğer Kurumların Hakemli Dergileri)
- XI. **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, cilt.5, sa.3, ss.237-246, 2017 (Diğer Kurumların Hakemli Dergileri)
- XII. **Development of Lyapunov redesign controller for microgrids with constant power loads**
Hossain E., Perez R., Nasiri A., BAYINDIR R.
Renewable Energy Focus, cilt.1920, ss.49-62, 2017 (Diğer Kurumların Hakemli Dergileri)
- XIII. **A Web-Based Educational Tool For Simulation of Reactive Power Compensation With Synchronous Motor**
BAYINDIR R., VADİ S.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.20, sa.1, ss.61-69, 2017 (ESCI İndekslerine Giren Dergi)
- XIV. **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, cilt.7, sa.2, ss.738-750, 2017 (ESCI İndekslerine Giren Dergi)
- XV. **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, cilt.30, sa.4, ss.330-343, 2017 (ESCI İndekslerine Giren Dergi)
- XVI. **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, cilt.7, sa.1, ss.399-410, 2017 (ESCI İndekslerine Giren Dergi)
- XVII. **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, cilt.7, sa.1, ss.443-450, 2017 (ESCI İndekslerine Giren Dergi)
- XVIII. **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, cilt.7, sa.2, ss.723-737, 2017 (ESCI İndekslerine Giren Dergi)
- XIX. **A comprehensive study on microgrid technology**
BAYINDIR R., EKLAS H., KABALCI E., R P.
International Journal of Renewable Energy Research (IJRER), cilt.4, sa.4, ss.1094-1107, 2016 (Diğer Kurumların Hakemli Dergileri)
- XX. **Güç Sistemlerinde Gerilim Kararlılığını Etkileyen Faktörler**
BAYINDIR R., YEŞİLBUDAK M., Çetinkaya U.
Gazi Üniversitesi Fen Bilimleri Dergisi, cilt.3, sa.4, ss.595-602, 2015 (Diğer Kurumların Hakemli Dergileri)
- XXI. **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, cilt.5, sa.1, ss.287-293, 2015 (ESCI İndekslerine Giren Dergi)
- XXII. **Investigation on North American Microgrid Facility**
BAYINDIR R., Hossain E., KABALCI E., Billah K. M. M.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.5, sa.2, ss.558-574, 2015 (ESCI İndekslerine Giren Dergi)
- XXIII. **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, cilt.28, sa.4, ss.587-597, 2015 (ESCI İndekslerine Giren Dergi)
- XXIV. **Endüstriyel Alanlarda Kullanılan Veri İletim Tekniklerinin Karşılaştırılması**
VADİ S., GÜLER N., BAYINDIR R.
Gazi Üniversitesi Fen Bilimleri Dergisi Part:C, Tasarım Ve Teknoloji, cilt.2, sa.1, ss.181-188, 2014 (Diğer Kurumların Hakemli Dergileri)
- XXV. **PLC ve SCADA kullanılarak bir endüstriyel sistemin otomasyonu**
BAYINDIR R., KAPLAN O., CEM B., SARIKAYA Y., HALLAÇLIOĞLU M.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.1, sa.1, ss.107-115, 2011 (Diğer Kurumların Hakemli Dergileri)
- XXVI. **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, cilt.23, sa.2, ss.177-186, 2010 (Diğer Kurumların Hakemli Dergileri)
- XXVII. **Türkiye nin Enerji Geleceği**
ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.
TÜBAV Bilim Dergisi, cilt.1, sa.2, ss.36-44, 2008 (Diğer Kurumların Hakemli Dergileri)
- XXVIII. **Rüzgar Enerjisinden Elektrik Üretiminin Türkiye deki Gelişimi**
ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.
TÜBAV Bilim Dergisi, cilt.1, sa.2, ss.64-72, 2008 (Diğer Kurumların Hakemli Dergileri)
- XXIX. **Güneş Enerjisi Kaynaklı LED Armatür Tasarımı**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.10, sa.4, ss.347-352, 2007 (Diğer Kurumların Hakemli

Dergileri)

- XXX. **PIC Denetimli Reaktif Güç Rölesi Tasarımı**
BAYINDIR R., KAPLAN O.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, cilt.22, sa.1, ss.47-56, 2007 (Diğer Kurumların Hakemli Dergileri)
- XXXI. **Asenkron Motorlar İçin Denetleyici Tabanlı Koruma ve Yol Verme Rölesi Tasarımı ve Uygulaması**
BAYINDIR R., DEMİRBAŞ Ş., IRMAK E., BEKİROĞLU E.
Politeknik Dergisi, cilt.10, sa.1, ss.1-5, 2007 (Diğer Kurumların Hakemli Dergileri)
- XXXII. **DA Motorunun Dört Bölge Denetiminin Eğitim Amaçlı Gerçekleştirilmesi**
ÇOLAK İ., SOYSAL M., IRMAK E., BAYINDIR R.
Politeknik, cilt.10, sa.3, ss.219-227, 2007 (Diğer Kurumların Hakemli Dergileri)
- XXXIII. **Bilgisayar Kontrollü Güneş Takip Sisteminin Tasarımı ve Uygulaması**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRTAŞ M.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, cilt.9, sa.4, ss.247-253, 2006 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

- I. **The Requirements of the Technique of Communication from Machine to Machine Applied in Smart Grids**
TÜR M. R., BAYINDIR R.
Artificial Intelligence and Evolutionary Computations in Engineering Systems, Subhransu Sekhar Dash, C. Lakshmi, Swagatam Das, Bijaya Ketan Panigrahi, Editör, Springer, Keonjhar, ss.405-418, 2020
- II. **Elektrik Enerjisi Sektöründe Siber Güvenlik**
TÜR M. R., BAYINDIR R., VADİ S.
Siber Güvenlik ve Savunma Kitap Serisi 2 Problemler ve Çözümler, Şeref Sağıroğlu, Mustafa Şenol, Editör, HAVELSAN, Ankara, ss.459-478, 2019
- III. **Elektrik Kumanda Devreleri ve S7 1200 ile PLC Programlama**
ÇOLAK İ., BAYINDIR R., VADİ S.
Seçkin Yayıncılık, Ankara, 2018

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Changing Power Transformer Metallurgy to Increase Responsibility of Electric Vehicle FastCharge Profile**
Harighi T., BAYINDIR R., Gokmen U., Golzari L. E. J., Khanlari A.
9th International Conference on Renewable Energy Research and Applications, 27 - 30 Eylül 2020
- II. **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 Eylül 2020
- III. **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 Eylül 2020, ss.489
- IV. **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 Temmuz 2020

- V. **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 Temmuz 2020
- VI. **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 Haziran 2020
- VII. **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 Haziran 2020
- VIII. **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 Haziran 2020
- IX. **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 Haziran 2020
- X. **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, Fransa, 17 - 19 Haziran 2020, ss.122-126
- XI. **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 Aralık 2019
- XII. **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 Aralık 2019
- XIII. **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 Aralık 2019
- XIV. **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, Romanya, 3 - 06 Kasım 2019, ss.1-6
- XV. **OnOff-Grid Hybrid Microgrid Design and DynamicAnalysis**
Çetinkaya Ü., BAYINDIR R.
7th IEEE International Conference on Smart Grid, Newcastle, Avustralya, 9 - 11 Aralık 2019, ss.132-136
- XVI. **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, Avustralya, 9 - 11 Aralık 2019, ss.144-148
- XVII. **Interoperability in smart grid**
AYEDI F., ÇOLAK İ., BAYINDIR R.
IEEE 7th International Conference on Smart Grid (icSmartGrid'19), Newcastle, Avustralya, 9 - 11 Aralık 2019, ss.165-169
- XVIII. **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, Avustralya, 9 - 11 Aralık 2019, ss.155-158

- XIX. Novel application of Selfish Herd Optimisationbased Two Degrees of Freedom CascadedController 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, Romanya, 3 - 06 Kasım 2019, ss.851-856
- XX. 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, Romanya, 3 - 06 Kasım 2019, ss.939-942
- XXI. SHO designed fuzzy logic based controller for AGCstudy 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, Romanya, 3 - 06 Kasım 2019, ss.845-850
- XXII. A Hybrid Deep Learning Model with EvolutionaryAlgorithm for Short-Term Load Forecasting**
Al Mamun A., Hoq M., Hossain E., BAYINDIR R.
8th International Conference on Renewable Energy Research and Applications, Brasov, Romanya, 3 - 06 Kasım 2019, ss.886-891
- XXIII. 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, Romanya, 3 - 06 Kasım 2019, ss.963-967
- XXIV. Güç sistemlerinde meta-sezgisel yöntemlerle bir optimizasyon çalışması**
ERMİŞ S., YEŞİLBUDAK M., BAYINDIR R.
Uluslararası Alüminyum Temalı Mühendislik ve Doğa Bilimleri Konferansı, Seydişehir, Konya, Türkiye, 4 - 06 Ekim 2019, ss.108-112
- XXV. 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, Türkiye, 12 - 15 Haziran 2019
- XXVI. 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, Hindistan, 11 - 13 Nisan 2019, cilt.1, ss.1-8
- XXVII. Understanding Microgrids: Architectures, Control Techniques and Stability**
BAYINDIR R.
2nd International Conference on Cognitive Informatics Soft Computing (CISC-2019), Thallapaka Panchayat, Hindistan, 9 - 10 Nisan 2019
- XXVIII. A Comprehensive Study on Microgrid Technology**
BAYINDIR R.
icSmartGrid Conference, 4 - 06 Aralık 2018
- XXIX. 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 Ekim 2018
- XXX. Data Management in Smart Grid Applications**
BAYINDIR R.
International Conference on Data Science and Applications (ICONDATA), 4 - 07 Ekim 2018
- XXXI. SMART GRID, MICROGRIDS AND ENERGY STORAGE SYSTEMS**

BAYINDIR R.

Int. Conf. in Science, Engineering and Tech. ((ICETSET-18), 8 - 09 Mayıs 2018

- XXXII. **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, Japonya, 4 - 06 Aralık 2018, ss.264-271
- XXXIII. **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, Türkiye, 19 - 21 Ekim 2018, ss.454-459
- XXXIV. **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, Fransa, 14 - 17 Ekim 2018, ss.1358-1362
- XXXV. **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, Japonya, 4 - 06 Aralık 2018, ss.287-293
- XXXVI. **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, Fransa, 14 - 17 Ekim 2018, ss.775-778
- XXXVII. **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, Fransa, 14 - 17 Ekim 2018, ss.1400-1406
- XXXVIII. **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, Fransa, 14 - 17 Ekim 2018, ss.1472-1476
- XXXIX. **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, Macaristan, 26 - 30 Ağustos 2018, ss.1061-1066
- XL. **Exergetic Comparison of Two Configurations for An Upgraded Absorption/Compression Heat Pump Integrated Organic Mixtures**
Toujanian R., BAYINDIR R., Bouaziz N., Colak I.
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.770-774
- XLI. **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, Fransa, 14 - 17 Ekim 2018, ss.1514-1519
- XLII. **Maximum Power Extraction from a Photovoltaic Panel and a Thermoelectric Generator Constituting a Hybrid Electrical Generation System**
Belkaid A., Colak I., Kayış K., Bayındır R., Bülbül H. İ.
6th IEEE International Conference on Smart Grid (icSmartGrid), Nagasaki, Japonya, 4 - 06 Aralık 2018, ss.276-282
- XLIII. **Capacity Mechanism and Available Applications in Europe**
BAYINDIR R.
International Workshop on Industry and Computer Security, 08 Aralık 2017
- XLIV. **Ulusal Güç Sistemimizde Kayıp Yük Değerinin Makroekonomik Analizi ve Hesaplanması**
TÜR M. R., BAYINDIR R.

Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2017), İstanbul, Türkiye, 16 - 18 Kasım 2017

- XLV. **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 Kasım 2017
- XLVI. **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 Kasım 2017
- XLVII. **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 Kasım 2017
- XLVIII. **Peak point detection of phase-to-phase effective voltages for smart grids: A comparative study**
COLAK A. M. , SHIBATA Y., KUROKAWA F., YEŞİLBUDAK M., ERMİŞ S., BAYINDIR R.
IEEE 6th International Conference on Renewable Energy Research and Applications (ICRERA'17), San Diego, CA, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1149-1153
- XLIX. **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 Ekim 2017
- L. **A Briefing on Microgrid Technology**
BAYINDIR R.
Joint Conference on ICAIECES-2017/ICPCIT 2017, 27 - 29 Nisan 2017
- LI. **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 Nisan 2017
- LII. **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 Nisan 2017
- LIII. **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 Nisan 2017
- LIV. **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, Meksika, 18 - 21 Aralık 2017, ss.523-527
- LV. **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, İtalya, 6 - 09 Haziran 2017
- LVI. **Investigation of the Effects of FACTS Devices on the Voltage Stability of Power Systems**
YEŞİLBUDAK M., ERMİŞ S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1080-1085
- LVII. **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, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1110-1114

- LVIII. Hybrid Cascaded Nine Level Inverter using Dspace controller for Standalone Photovoltaic Applications**
Kalaiarasi N., Dash S. S. , Paramasivam S., BAYINDIR R.
6th IEEE INTERNATIONAL CONFERENCE on RENEWABLE ENERGY RESEARCH and APPLICATIONS (ICRERA 2017), California, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.745-750
- LIX. Implementation of Unit Commitment Algorithm A Comprehensive Droop Control Technique to Retain Microgrid Stability**
Sakb N., Hossam J., Bülbül H. İ. , Hossam E., Bayındır R.
Int Conference on Renewable Energy Research and Applications, Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.1074-1079
- LX. Implementation of Hybrid Energy Storage Systems to Compansate Microgrid Instability in the Presence of Constant Power Loads**
HOSSAIN E., PEREZ R., BAYINDIR R.
Int Conference on Renewable Energy Reserach and plications, Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.1068-1073
- LXI. 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, İngiltere, 20 - 23 Kasım 2016, ss.772-777
- LXII. 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, İngiltere, 20 - 23 Kasım 2016, ss.314-318
- LXIII. 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, İngiltere, 20 - 23 Kasım 2016, ss.776-771
- LXIV. 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, Bulgaristan, 25 - 30 Eylül 2016, ss.469-474
- LXV. Smart Grid Technologies and Applications** Smart grid technologies can be defined as self sufficient systems that can find solutions to problems quickly inan available system that reduces the workforce and targets sustainable reliable safe and quality electricity to allconsumers In this respect different technological applications can be seen from the perspective of researchersand investors The objective of this presentation is expected to be an important guiding source for researchersand engineers studying the smart grid It also helps transmission and distribution system operators to follow theright path as they are transforming their classical grids to smart grids
BAYINDIR R.
IV. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 28 - 31 Ağustos 2016
- LXVI. Joint Project Development**
BAYINDIR R.
International Cyber Security Workshop and Certificate Program, Istanbul Gelisim University, 23 - 27 Mayıs 2016
- LXVII. A Comprehensive Study on Microgrid Modelling Control and Stability**
BAYINDIR R.
Renewable Energy Technology: Future, Opportunity and Challenges for UK and Turkey, 4 - 07 Nisan 2016
- LXVIII. 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, İngiltere, 20 - 23 Kasım 2016, ss.314-318
- LXIX. **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, Hindistan, 22 - 23 Nisan 2015, cilt.394, ss.1093-1103
- LXX. **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, Bulgaristan, 25 - 30 Eylül 2016, ss.476-481
- LXXI. **Implementation of Hybrid Energy Storage Systems to Compensate Microgrid Instability in the Presence of Constant Power Loads**
Hossain E., Perez R., BAYINDIR R.
5th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Birmingham, İngiltere, 20 - 23 Kasım 2016, ss.1068-1073
- LXXII. **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, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.436-440
- LXXIII. **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, İngiltere, 20 - 23 Kasım 2016, ss.1117-1121
- LXXIV. **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, İngiltere, 20 - 23 Kasım 2016, ss.1074-1079
- LXXV. **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, Amerika Birleşik Devletleri, 18 - 20 Aralık 2016, ss.447-451
- LXXVI. **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, İngiltere, 20 - 23 Kasım 2016, ss.837-844
- LXXVII. **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, İngiltere, 20 - 23 Kasım 2016, ss.578-583
- LXXVIII. **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, İngiltere, 20 - 23 Kasım 2016, ss.1158-1162
- LXXIX. **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, Türkiye, 21 - 25 Mart 2016, ss.62-69
- LXXX. **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, Bulgaristan, 25 - 28 Eylül 2016, ss.372-377
- LXXXI. **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, Bulgaristan, 25 - 30 Eylül 2016, ss.388-393
- LXXXII. **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 Ekim 2015
- LXXXIII. **Akıllı Şebeke Yönetimi ve Güvenliği**
BAYINDIR R.
AKILLI BELEDİYECİLİK ZİRVESİ, Bursa, Türkiye, 14 - 15 Mayıs 2015
- LXXXIV. **Kamu Binaları için Mikro Şebeke Tasarımı ve Ekonomik Değerlendirmesi**
ÇETİNKAYA Ü., BAYINDIR R.
3. Uluslararası İstanbul Akıllı Şebekeler Kongre ve Fuarı, 29 - 30 Nisan 2015
- LXXXV. **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 Nisan 2015
- LXXXVI. **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, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1045-1049
- LXXXVII. **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, Amerika Birleşik Devletleri, 9 - 11 Aralık 2015, ss.1056-1061
- LXXXVIII. **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, İtalya, 10 - 13 Haziran 2015, ss.1556-1561
- LXXXIX. **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, İtalya, 22 - 25 Kasım 2015, ss.1580-1585
- XC. **Short-Circuit Fault Analysis on Microgrid**
BAYINDIR R., IRMAK E., İSSİ F., GÜLER N.
4th International Conference on Renewable Energy Research and Applications (ICRERA), Palermo, İtalya, 22 - 25 Kasım 2015, ss.1248-1252
- XCI. **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 Ekim 2015
- XCII. **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, İtalya, 22 - 25 Kasım 2015, ss.1243-1247

- XCIII. 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 Ekim 2014
- XCIV. 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 Eylül 2014
- XCv. 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, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.880-885
- XCvI. Microgrid Facility at European Union**
BAYINDIR R., Hossain E., BEKİROĞLU E., KABALCI E.
3rd International Conference on Renewable Energy Research and Application (ICRERA), Wisconsin, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.865-872
- XCvII. 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, Amerika Birleşik Devletleri, 19 - 22 Ekim 2014, ss.873-879
- XCvIII. 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, Türkiye, 21 - 24 Eylül 2014, ss.907-911
- XCIX. 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, Türkiye, 21 - 24 Eylül 2014, ss.1110-1115
- C. 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, Türkiye, 13 Mayıs 2013 - 17 Mayıs 2103
- CI. 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 Mayıs 2013
- CII. 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 Mayıs 2013
- CIII. 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 Eylül 2011
- CIV. An Intelligent Tool for ANN Based Power Factor Correction**
Sesveren O., BAYINDIR R.
12th International Conference on Machine Learning and Applications (ICMLA), Florida, Amerika Birleşik Devletleri, 4 - 07 Aralık 2013, ss.218-223
- CV. 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, Japonya, 11 - 14 Kasım 2012
- CVI. 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 Kasım 2012
- CVII. 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 Eylül 2012
- CVIII. 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 Haziran 2012
- CIX. 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, Monako, 22 - 25 Mart 2012
- CX. 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 Aralık 2011
- CXI. 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, Sırbistan, 4 - 06 Eylül 2012
- CXII. 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, Amerika Birleşik Devletleri, 12 - 15 Aralık 2012, ss.521-525
- CXIII. 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, Amerika Birleşik Devletleri, 12 - 15 Aralık 2012, ss.498-502
- CXIV. Monitoring Parameters of Synchronous Motor Via Internet**
BAYINDIR R., Vadi S.
1st International Conference on Renewable Energy Research and Applications (ICRERA), Nagasaki, Japonya, 11 - 14 Kasım 2012
- CXV. 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 Mayıs 2011
- CXVI. 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, İspanya, 11 - 13 Mayıs 2011, ss.1-4
- CXVII. 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, İspanya, 11 - 13 Mayıs 2011, cilt.1, ss.1-4
- CXVIII. 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, İspanya, 11 - 13 Mayıs 2011, cilt.1, ss.1-4

CXIX. 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, Monako, 31 Mart - 03 Nisan 2011, ss.1-11

CXX. 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 Mart - 03 Nisan 2011

CXXI. 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, Türkiye, 8 - 10 Eylül 2011, ss.430-435

CXXII. 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, Türkiye, 8 - 10 Eylül 2011, ss.578-583

CXXIII. 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, Amerika Birleşik Devletleri, 12 - 14 Aralık 2010, ss.692-696

CXXIV. Trafosuz Elektrofüzyon Kaynak Makinesinin Güç Devresi Benzetimi

BAYINDIR R., DEMİRTAŞ M., GÖZTAŞ M.

Elektrik - Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO 2010), Bursa, Türkiye, 2 - 05 Aralık 2010

CXXV. 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, İtalya, 14 - 16 Haziran 2010, ss.1783-1788

CXXVI. 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, Monako, 25 - 28 Mart 2010

CXXVII. 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, Makedonya, 6 - 08 Eylül 2010

CXXVIII. 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, Portekiz, 18 - 20 Mart 2009, ss.575-580

CXXIX. Application of Microcontroller Based Meteorology Station

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

5TH International Advanced Technologies Symposium (IATS'09), Karabük, Türkiye, 13 - 15 Mayıs 2009

CXXX. Simulation of Parallel Connected DC DC Boost Converter for Hybrid Energy Sources

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

5TH International Advanced Technologies Symposium (IATS'09), Karabük, Türkiye, 13 - 15 Mayıs 2009

CXXXI. Simulation of Speed Control for Travelling Wave Ultrasonic Motor

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

5TH International Advanced Technologies Symposium (IATS'09), Karabük, Türkiye, 13 - 15 Mayıs 2009

- CXXXII. **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, Amerika Birleşik Devletleri, 13 - 15 Aralık 2009, ss.787-788
- CXXXIII. **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, Portekiz, 18 - 20 Mart 2009, ss.397-398
- CXXXIV. **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, İspanya, 8 - 10 Eylül 2009, ss.3132-3134
- CXXXV. **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, Amerika Birleşik Devletleri, 13 - 15 Aralık 2009, ss.626-628
- CXXXVI. **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, Amerika Birleşik Devletleri, 13 - 15 Aralık 2009, ss.669-672
- CXXXVII. **Reaktif Güç Kompanzasyonu Uygulamalarının Eğitim Amaçlı Benzetimi**
ÇOLAK İ., KAPLAN O., BAYINDIR R., KUNDAKOĞLU H.
ELECO 2008, Bursa, Türkiye, 26 - 30 Kasım 2008
- CXXXVIII. **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 Eylül 2008
- CXXXIX. **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, İtalya, 11 - 13 Haziran 2008, ss.1451-1452
- CXL. **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, Portekiz, 12 - 14 Nisan 2007, ss.96-99
- CXLI. **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, Türkiye, 29 - 31 Mayıs 2006, ss.216-219
- CXLII. **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, Türkiye, 29 - 31 Mayıs 2006, ss.134-137
- CXLIII. **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, Türkiye, 29 - 31 Mayıs 2006, ss.164-167
- CXLIV. **Güneş Pillerinin Elektrik Enerjisi Üretiminde Kullanımı**
ÇOLAK İ., SEFA İ., BAYINDIR R., DEMİRBAŞ Ş., DEMİRTAŞ M.
VI. Ulusal Temiz Enerji Sempozyumu-UTES'2006, Isparta, Türkiye, 25 - 27 Mayıs 2006

- CXLV. **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, Türkiye, 25 - 27 Mayıs 2006
- CXLVI. **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, Kıbrıs (Kktc), 19 - 21 Nisan 2006, ss.446-451
- CXLVII. **Temel Elektrik Devrelerinin Analizi İçin İnternet Tabanlı Bir Eğitim Aracı**
ÇOLAK İ., IRMAK E., SEFA İ., DEMİRBAŞ Ş., BAYINDIR R.
6 th International Educational Technology Conference, Eastern Mediterranean University, Gazimagusa, Kıbrıs (Kktc), 19 - 21 Nisan 2006, ss.452-461
- CXLVIII. **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 Nisan 2006
- CXLIX. **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, Kıbrıs (Kktc), 19 - 21 Nisan 2006, ss.446-451
- CL. **Doğru Akım Motorlarının Web Tabanlı Modellenmesi ve Analizi**
DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Türkiye, 16 - 18 Kasım 2005
- CLI. **Doğru Akım Motorunun Web Tabanlı Modellenmesi ve Analizi**
DEMİRBAŞ Ş., IRMAK E., SEFA İ., BAYINDIR R., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Türkiye, 16 - 18 Kasım 2005
- CLII. **Bulanık Mantık Denetimli Senkron Motor İle Reaktif Güç Kompanzasyonu Benzetimi**
BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ÇOLAK İ.
Bilimde Modern Yöntemler Sempozyumu, Kocaeli, Türkiye, 16 - 18 Kasım 2005
- CLIII. **Alternatif Enerji Kaynaklarının Kullanımı**
ÇOLAK İ., BAYINDIR R., SEFA İ., DEMİRBAŞ Ş., ERGEN H.
III. Yenilenebilir Enerji Kaynakları Sempozyumu ve Sergisi, Mersin, Türkiye, 19 - 21 Ekim 2005
- CLIV. **Teknik Eğitimde İnternet Teknolojisinin Kullanımı**
ÇOLAK İ., DEMİRBAŞ Ş., IRMAK E., BAYINDIR R.
1. Uluslararası Mesleki ev Teknik Eğitim Teknolojileri Kongresi, 5 - 07 Eylül 2005
- CLV. **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, Türkiye, 17 - 18 Mayıs 2005, ss.301-305
- CLVI. **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, Türkiye, 17 - 18 Mayıs 2005, ss.336-339
- CLVII. **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, İran, 15 - 19 Eylül 2004
- CLVIII. **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, İran, 2 - 08 Eylül 2004, ss.776-778

Bilirkişi Raporları

- 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

Desteklenen Projeler

- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Elektrik Enerjisi Üretim Sistemleri İçin Otomatik Paralel Bağlama Ünitesi, 2007 - Devam Ediyor
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Mikrodenetleyici Tabanlı Reaktif Güç Kompanzasyonu, 2005 - Devam Ediyor
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, WEB TABANLI FOTOVOLTAİK SİSTEMLERİN EĞİTİMİ VE GERÇEK ZAMANLI İZLEME SİSTEMİ UYGULAMASI, 2011 - 2013
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Senkron Motor ile Reaktif Güç Kompanzasyonu Benzetimi için Web Tabanlı Bir Eğitim Aracı, 2011 - 2013
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, PLC İLE MOTOR KONTROL DENEYLERİNİN GERÇEKLEŞTİRİLMESİ İÇİN BİR EĞİTİM LABORATUARI OLUŞTURULMASI, 2011 - 2012
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Senkron Motorun Parametrelerinin İnternet Üzerinden İzlenmesi, 2011 - 2012
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, ENDÜSTRİYEL OTOMASYONDA İNTERNET TABANLI KABLOSUZ VERİ İLETİŞİMİ, 2009 - 2010
- BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, PASİF HARMONİK FİLTRE TASARIMI VE UYGULAMASI, 2008 - 2010

Bilimsel Dergilerdeki Faaliyetler

Gazi Üniversitesi Fen Bilimleri Dergisi Part: C Tasarım ve Teknoloji, Baş Editör, 2013 - Devam Ediyor

Atıflar

Toplam Atıf Sayısı (WOS):1420

h-indeksi (WOS):18