

## Prof. Dr. RAMAZAN BAYINDIR

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Biyografi

Prof. Dr. Ramazan BAYINDIR, lisans eğitimini 1992 yılında Gazi Üniversitesi Elektrik Eğitimi Bölümü'nde tamamladı ve sırasıyla 1998 ve 2002 yıllarında Gazi Üniversitesi Fen Bilimleri Enstitüsü'nden Yüksek Lisans ve Doktora derecelerini aldı.

Dr. Ramazan BAYINDIR, Gazi Üniversitesi Elektrik Eğitimi Bölümü'nde Araştırma Görevlisi, Yardımcı Doçent olarak çalıştı. Gazi Üniversitesi Elektrik ve Elektronik Mühendisliği Bölümü'nde Doçent oldu. Şu anda aynı bölümde Profesör olarak çalışmaktadır. Başlıca uzmanlık alanları arasında yenilenebilir enerji kaynakları, mikro şebekeler, dağıtılmış üretim, akıllı şebeke uygulamaları ve programlanabilir mantık denetleyicili (PLC) endüstriyel otomasyon yer almaktadır.

“International Conference on Renewable Energy Research and Applications (ICRERA 2012-2023), International Conference on Smart Grid (icSmartGrid 2012-2023), 16th International Power Electronics and Motion Control Conference and Exposition (PEMC 2014) ve International Conference on Power Engineering, Energy and Electrical Drives, (POWERENG 2013) konferansında program başkanlığı yapmıştır. SCI indeksli saygın dergilerde konuk editör olarak görev yapmaktadır. Ayrıca, birçok üst düzey bilimsel dergide hakem olarak görev yapmıştır. Dr. Bayındır, şu anda Tübitak Elektrik Mühendisliği ve Bilgisayar Bilimleri Dergisi Editör Kurulu Üyesi ve IEEE Access Editörüdür.

Dr. Bayındır, çalışma alanında 386'dan fazla dergi ve konferans bildirisine sahiptir. Ayrıca 4 ulusal ve 2 uluslararası kitabı yayınlanmıştır.

Birçok ulusal projeyi tamamlayan Dr. Bayındır, birçok Avrupa ülkesinin katılımcı olduğu projede de yer aldı. Farklı alanlarda eğitim ve müfredat tasarımı ve geliştirme, mesleki ve teknik eğitim, uluslararası düzeyde projeler tasarlama, organize etme ve planlama, eğitim ve mesleki eğitim materyali geliştirme gibi bazı temel yeterliliklere sahiptir. IEEE Kıdemli Üyesi, ayrıca PEMC Yürütme Kurulu Üyesidir.

Dr. Bayındır, Teknoloji Fakültesi Dekan Yardımcısı, Gazi Meslek Yüksekokulu Müdürü, Teknoloji Fakültesi Elektrik-Elektronik Mühendisliği Bölüm Başkanı ve Gazi Üniversitesi Rektör Yardımcısı olarak görev yaptı.

### 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 - 2024  
Rektörlük Kalite Komisyonu Üyesi, Gazi Üniversitesi, Rektörlük, 2020 - 2024  
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., Da Dağıtık Güç Sistemlerinde Çoklu Dönüştürücü İçin Fpga Tabanlı Bulanık Mantık Denetleyici, Doktora, M.Khalaf(Öğrenci), 2020  
BAYINDIR R., FPGA based fuzzy logic controller for multiconverter in dc distributed power systems, Doktora, M.KHALAF(Öğrenci), 2019  
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 ile güç sistemlerinde küçük sinyal kararlılığının incelenmesi, Yüksek Lisans, A.SABATI(Öğrenci), 2019  
BAYINDIR R., Householder Yöntemi İle Güç Sistemlerinde Küçük Sinyal Kararlılığının İncelenmesi, Yüksek Lisans, A.Sabati(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., Senkron motor ile reaktif güç kompanzasyonu benzetimi için web tabanlı bir eğitim aracı, Yüksek Lisans, S.VADİ(Öğrenci), 2014  
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., Bir pnömötik 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., SERAMİK PİŞİRME FIRINININ TASARIMI VE DENETİMİ, Yüksek Lisans, S.BULUT(Öğrenci), 2010  
BAYINDIR R., ÜÇ FAZLI ASENKRON MOTORUN GÜÇ KATSAYISININ PLC İLE KONTROLÜ VE İZLENMESİ, Yüksek Lisans, L.BARAN(Öğrenci), 2010  
BAYINDIR R., ASENKRON MOTOR BÜYÜKLÜKLERİNİN ZİGBEE HABERLEŞME PROTOKOLÜ KULLANILARAK İZLENMESİ, Yüksek Lisans, M.ŞEN(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., YAPAY SİNİR AĞLARI DENETİMLİ SENKRON MOTOR İLE REAKTİF GÜÇ KOMPANZASYONU, Yüksek Lisans, A.GÖRGÜN(Öğrenci), 2009  
BAYINDIR R., Yapay sinir ağları denetimli senkron motor ile reaktif güç kompanzasyonu, Yüksek Lisans, A.GÖRGÜN(Öğrenci), 2009  
BAYINDIR R., Üç fazlı asenkron motorun güç katsayısının PLC ile kontrolü ve izlenmesi, Yüksek Lisans, L.BARAN(Öğrenci), 2009  
BAYINDIR R., YAPAY SİĞNİR AGLARI TEMELLİ REAKTİF GÜÇ KOMPANZASYONU EGİTİM SETİ TASARIMI, Yüksek Lisans, 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. **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, cilt.12, ss.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, cilt.16, sa.15, ss.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, cilt.70, ss.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, cilt.50, sa.9-10, ss.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, cilt.122, ss.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, cilt.30, sa.3, ss.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, cilt.10, ss.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, cilt.14, sa.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), ss.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), ss.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, cilt.45, sa.3, ss.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, cilt.13, sa.4, 2020 (SCI-Expanded)
- XIII. **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-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, cilt.12, sa.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, cilt.12, sa.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, cilt.12, sa.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, cilt.12, sa.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, cilt.25, sa.25, ss.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, cilt.11, sa.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, cilt.96, ss.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, cilt.13, sa.2, ss.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, cilt.35, ss.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, cilt.152, ss.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, cilt.10, sa.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, cilt.45, sa.19, ss.2200-2215, 2017 (SCI-Expanded)
- XXVI. **Smart grid technologies and applications**  
BAYINDIR R., Colak I., Fulli G., Demirtas K.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.66, ss.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, cilt.64, ss.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, cilt.86, ss.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, cilt.33, ss.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, cilt.19, sa.10, ss.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., Sagioglu Ş.  
Energy Conversion and Management, cilt.64, ss.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, cilt.51, sa.3, ss.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, cilt.19, sa.4, ss.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, cilt.50, sa.2, ss.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, cilt.26, sa.1, ss.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, cilt.52, sa.2, ss.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, cilt.33, sa.1, ss.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, cilt.25, sa.1, ss.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, cilt.17, sa.4, ss.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, cilt.24, sa.4, ss.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, cilt.24, sa.1, ss.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, cilt.79, sa.1, ss.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, cilt.23, sa.3, ss.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, cilt.23, sa.3, ss.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, cilt.20, ss.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, cilt.189, ss.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, cilt.48, sa.3, ss.850-856, 2007 (SCI-Expanded)
- XLVIII. **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-Expanded)
- XLIX. **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-Expanded)
- L. **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)
- LI. **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-Expanded)
- LII. **Comparison of the constructed control methods for a friction-welding machine**  
Bayındır R., Ateş H.  
MATERIALS AND MANUFACTURING PROCESSES, cilt.20, sa.2, ss.131-146, 2005 (SCI-Expanded)
- LIII. **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-Expanded)
- LIV. **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-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- 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, cilt.1, sa.1, ss.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-POLİTEKNİK DERGİSİ, 2023 (ESCI)
- III. **İyileştirilmiş Öğretme-Öğrenme Tabanlı Optimizasyon Algoritmasıyla Güç Sistemlerinde Gerilim Kararlılığı Çalışması**  
ERMİŞ S., Bayındır R., Yesilbudak M.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, cilt.11, sa.3, ss.695-705, 2023 (Hakemli Dergi)
- 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, cilt.11, sa.4, ss.1209-1222, 2023 (Hakemli Dergi)
- 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, cilt.11, sa.3, ss.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 PİParametrelerinin Genetik ve Parçacık Sürü Algoritması KullanarakOptimizasyonu**  
VADİ S., BAYINDIR R.  
Veri Bilimi, cilt.2, sa.2, ss.51-60, 2019 (Hakemli Dergi)
- 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, cilt.2, sa.3, ss.103-107, 2019 (Hakemli Dergi)
- 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, cilt.9, sa.1, ss.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, cilt.3, sa.1, ss.18-24, 2019 (Hakemli Dergi)
- 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, cilt.2, sa.4, ss.197-202, 2018 (Hakemli Dergi)
- 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, cilt.2, sa.4, ss.197-202, 2018 (Hakemli Dergi)
- XIII. **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 (Hakemli Dergi)
- 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, cilt.8, sa.1, ss.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, cilt.5, sa.3, ss.237-246, 2017 (Hakemli Dergi)
- 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, cilt.5, sa.3, ss.237-246, 2017 (Hakemli Dergi)
- XVII. **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 (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, cilt.20, sa.1, ss.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, cilt.7, sa.2, ss.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), cilt.1, sa.3, ss.1-10, 2017



(Hakemli Dergi)

- 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, cilt.30, sa.4, ss.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, cilt.7, sa.1, ss.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, cilt.7, sa.1, ss.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, cilt.7, sa.2, ss.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), cilt.4, sa.4, ss.1094-1107, 2016 (Scopus)
- XXVI. **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 (Hakemli Dergi)
- 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, cilt.5, sa.1, ss.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, cilt.5, sa.2, ss.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, cilt.28, sa.4, ss.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, cilt.2, sa.1, ss.181-188, 2014 (Hakemli Dergi)
- 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 (Hakemli Dergi)
- 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), ss.1151-1155, 2013 (Hakemli Dergi)
- XXXIII. **Monitoring Parameters of Synchronous Motor Via Internet**  
BAYINDIR R., VADİ S.  
Renewable Energy Research and Applications (ICRERA), ss.1-4, 2012 (Hakemli Dergi)
- XXXIV. **An Interactive Platform for Switched Reluctance Motor**  
BAYINDIR R., VADİ S., KAPLAN O.  
Ever Monaco-2012, ss.1-4, 2012 (Hakemli Dergi)
- 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, cilt.1, sa.1, ss.107-115, 2011 (Hakemli Dergi)

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, cilt.23, sa.2, ss.177-186, 2010 (Scopus)

XXXVII. **Türkiye nin Enerji Geleceği**

ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.

TÜBAV Bilim Dergisi, cilt.1, sa.2, ss.36-44, 2008 (Hakemli Dergi)

XXXVIII. **Rüzgar Enerjisinden Elektrik Üretiminin Türkiye deki Gelişimi**

ÇOLAK İ., BAYINDIR R., DEMİRTAŞ M.

TÜBAV Bilim Dergisi, cilt.1, sa.2, ss.64-72, 2008 (Hakemli Dergi)

XXXIX. **Güneş Enerjisi Kaynaklı LED Armatür Tasarımı**

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

JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISI, cilt.10, sa.4, ss.347-352, 2007 (Hakemli Dergi)

XL. **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 (Scopus)

XLI. **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 (Hakemli Dergi)

XLII. **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 (Hakemli Dergi)

XLIII. **Bilgisayar Kontrollü Güneş Takip Sisteminin Tasarımı ve Uygulaması**

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

JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGISI, cilt.9, sa.4, ss.247-253, 2006 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

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.

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

III. **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

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **21. Yüzyılda Yükseköğretimde Kalite Güvencesi: Yeni Nesil Üniversiteler için Stratejiler ve Uygulamalar**

DURMUŞ ŞENYAPAR H. N., BAYINDIR R.

7. Uluslararası Yükseköğretim Çalışmaları Konferansı (The 7th International Higher Education Studies Conference-

IHEC 2024), Ankara, Türkiye, 17 - 19 Ekim 2024

- II. **AI-Driven Smart Homes and Smart Grids: Marketing Strategies for Seamless Integration and Consumer Adoption**  
Durmuş Şenyapar H. N., Çolak İ., Bayındır R.  
ICSMARTGRID 2024 12TH INTERNATIONAL CONFERENCE ON SMART GRID, Setúbal, Portekiz, 27 - 29 Mayıs 2024
- III. **Smart Grid Customer Engagement: Impactful Marketing Initiatives in the Modern Energy Landscape**  
Durmuş Şenyapar H. N., Çolak İ., Bayındır R.  
ICSMARTGRID 2024 12TH INTERNATIONAL CONFERENCE ON SMART GRID, Setúbal, Portekiz, 27 - 29 Mayıs 2024
- IV. **Sürdürülebilir Bir Kalite Güvencesi için Sürekli ve Sistematik Bir İyileştirme Aracı: Kalite İyileştirme Planı**  
DURMUŞ ŞENYAPAR H. N., BAYINDIR R.  
2024 THEQC INTERNATIONAL CONFERENCE ON QUALITY ASSURANCE AND ACCREDITATION (ICQA), Ankara, Türkiye, 25 - 26 Nisan 2024
- V. **Analysis of SARIMA Models for Forecasting Electricity Demand**  
AKSÖZ A., Oyucu S., Bicer E., BAYINDIR R.  
12th International Conference on Smart Grid, icSmartGrid 2024, Hybrid, Setubal, Portekiz, 27 - 29 Mayıs 2024, ss.767-771
- VI. **Analysis and Optimization of Droop Controller for Microgrid System based on Slime Mould Algorithm**  
Kareem R. M., Kh. Al-Nussairi M., BAYINDIR R.  
12th International Conference on Smart Grid, icSmartGrid 2024, Hybrid, Setubal, Portekiz, 27 - 29 Mayıs 2024, ss.609-613
- VII. **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, İtalya, 26 Haziran 2023
- VIII. **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, Fransa, 4 - 07 Haziran 2023
- IX. **PV&TEG Hybrid System controlled with Fuzzy based MPPT**  
Caglayan R. Z., Kayışlı K., Roscia M., Harrouz A., Bayındır R., Colak I.  
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, Fransa, 4 - 07 Haziran 2023
- X. **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, Kanada, 29 Ağustos - 01 Eylül 2023, ss.542-547
- XI. **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, Kanada, 29 Ağustos - 01 Eylül 2023, ss.487-491
- XII. **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, Türkiye, 18 Eylül 2022, ss.179-185
- 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, Türkiye, 27 - 29 Haziran 2022, ss.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, İnan, 23 - 24 Şubat 2022

- XV. **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, Türkiye, 27 - 29 Haziran 2022, ss.214-220
- XVI. **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, Türkiye, 18 - 21 Eylül 2022, ss.546-551
- XVII. **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, Türkiye, 27 - 29 Haziran 2022, ss.396-400
- XVIII. **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, Türkiye, 27 - 29 Haziran 2022, ss.356-362
- XIX. **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 Mart 2022
- XX. **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, Türkiye, 27 - 29 Haziran 2022, ss.227-230
- XXI. **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, Romanya, 25 - 28 Eylül 2022, ss.679-684
- XXII. **Policy Instruments to Promote the Use of RenewableEnergy for Residential Heating and Cooling: A Caseof Turkey**  
Düzgün B., Bayındır R., Bülbül H. İ.  
10th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Türkiye, 26 - 29 Eylül 2021, ss.428-433
- XXIII. **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, Portekiz, 29 Haziran - 01 Temmuz 2021, ss.289-294
- XXIV. **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, Portekiz, 29 Haziran - 01 Temmuz 2021, ss.212-215
- XXV. **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, Portekiz, 29 Haziran - 01 Temmuz 2021, ss.220-225
- XXVI. **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, Portekiz, 29 Haziran - 01 Temmuz 2021, ss.295-301
- XXVII. **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, Türkiye, 26 - 29 Eylül 2021, ss.216-220
- XXVIII. **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, Türkiye, 26 - 29 Eylül 2021, ss.459-462
- XXIX. **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, Türkiye, 26 - 29 Eylül 2021, ss.397-401
- XXX. **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, İran, 29 - 30 Aralık 2021
- XXXI. **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, Türkiye, 26 - 29 Eylül 2021, ss.423-427
- XXXII. **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
- XXXIII. **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
- XXXIV. **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, İngiltere, 27 - 30 Eylül 2020, ss.483-488
- XXXV. **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
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **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
- XXXIX. **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
- XL. **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
- XLI. **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
- XLII. **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
- XLIII. **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
- XLIV. **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
- XLV. **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
- XLVI. **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
- XLVII. **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
- XLVIII. **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
- XLIX. **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
- L. **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
- LI. **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

- LII. **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
- LIII. **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
- LIV. **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
- LV. **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
- LVI. **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
- LVII. **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
- LVIII. **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
- LIX. **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
- LX. **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, Japonya, 4 - 06 Aralık 2018, ss.276-282
- LXI. **A Comprehensive Study on Microgrid Technology**  
BAYINDIR R.  
icSmartGrid Conference, 4 - 06 Aralık 2018
- LXII. **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
- LXIII. **Data Management in Smart Grid Applications**  
BAYINDIR R.  
International Conference on Data Science and Applications (ICONDATA), 4 - 07 Ekim 2018
- LXIV. **SMART GRID, MICROGRIDS AND ENERGY STORAGE SYSTEMS**

BAYINDIR R.

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

- LXV. **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
- LXVI. **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
- LXVII. **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, Japonya, 4 - 06 Aralık 2018, ss.276-282
- LXVIII. **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
- 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, Türkiye, 19 - 21 Ekim 2018, ss.454-459
- LXX. **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
- LXXI. **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
- LXXII. **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
- LXXIII. **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
- LXXIV. **Thermodynamic Optimization of a Novel Solar Power Cogeneration Plant Using a Gas Ejector**  
Afif L., Lamari A., Bayındır R., Bouaziz N., Colak I.  
7th International Conference on Renewable Energy Research and Applications (ICRERA), Paris, Fransa, 14 - 17 Ekim 2018, ss.775-778
- LXXV. **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
- LXXVI. **Capacity Mechanism and Available Applications in Europe**  
BAYINDIR R.  
International Workshop on Industry and Computer Security, 08 Aralık 2017
- LXXVII. **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

- LXXVIII. **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
- LXXIX. **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
- LXXX. **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
- LXXXI. **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, Amerika Birleşik Devletleri, 5 - 08 Kasım 2017, ss.1149-1153
- LXXXII. **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
- LXXXIII. **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
- LXXXIV. **A Briefing on Microgrid Technology**  
BAYINDIR R.  
Joint Conference on ICAIECES-2017/ICPCIT 2017, 27 - 29 Nisan 2017
- LXXXV. **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
- LXXXVI. **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
- LXXXVII. **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
- LXXXVIII. **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
- LXXXIX. **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
- XC. **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 IEEEIC) / 1st IEEE Industrial and Commercial Power Systems Europe (IEEE I and CPS Europe), Milan, İtalya, 6 - 09 Haziran 2017

- XCI. **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
- XCII. **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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.772-777
- XCIII. **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 pplications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1068-1073
- XCIV. **Implementation of Unit Commitment Algorthim A Comprehensive Droop Control Technique to Retain Microgrid Stability**  
Sakıb N., Hossam J., Bülbül H. İ., Hossam E., Bayındır R.  
Int Conference on Renewable Energy Research and Appications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1074-1079
- XCV. **Stability Analysis of an Offshore Wind Farm Connected to Turkish Electricty Transmission System**  
DEMİRBAŞ Ş., BAYINDIR R., OVA A., ÇETİNKAYA Ü., YEŞİL M.  
Int Conference on Renewable Energy Research and Applications, Birmingham, Birleşik Krallık, 20 - 23 Kasım 2016, ss.314-318
- XCVI. **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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.776-771
- XCVII. **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
- XCVIII. **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
- XCIX. **Joint Project Development**  
BAYINDIR R.  
International Cyber Security Workshop and Certificate Program, Istanbul Gelisim University, 23 - 27 Mayıs 2016
- C. **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
- CI. **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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1068-1073

**CII. 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

**CIII. 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

**CIV. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1117-1121

**CV. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1158-1162

**CVI. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.1074-1079

**CVII. 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

**CVIII. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.837-844

**CIX. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.578-583

**CX. 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

**CXI. 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

**CXII. 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

**CXIII. 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, Birleşik Krallık, 20 - 23 Kasım 2016, ss.314-318

- CXIV. 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
- CXV. 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
- CXVI. Akıllı Şebeke Yönetimi ve Güvenliği**  
BAYINDIR R.  
AKILLI BELEDİYESİLİK ZİRVESİ, Bursa, Türkiye, 14 - 15 Mayıs 2015
- CXVII. 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
- CXVIII. 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
- CXIX. 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
- CXX. 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, İtalya, 22 - 25 Kasım 2015, ss.1248-1252
- CXXI. 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
- CXXII. 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
- CXXIII. 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
- CXXIV. 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
- CXXV. 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

- CXXVI. **Microgrid facility around Asia and Far East**  
Eklas H., KABALCI E., BAYINDIR R., BÜLBÜL H. İ.  
3rd International Conference on Renewable Energy Research and Applications (ICRERA) 2014, October 19-22, 2014, Milwaukee, 19 - 22 Aralık 2014, ss.873-879
- CXXVII. **Microgrid Facility at European Union**  
BAYINDIR R., BEKİROĞLU E., HOSSAIN E., KABALCI E.  
2014 3rd International Conference on Renewable Energy Research and Applications, 19 - 22 Ekim 2014
- CXXVIII. **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
- CXXIX. **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
- CXXX. **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
- CXXXI. **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
- CXXXII. **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
- CXXXIII. **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
- CXXXIV. **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
- CXXXV. **Matlab/GUI based basic design principles of PID controller in AVR**  
Bülbül H. İ., Bayındır R., Bayram M., Can C.  
Power Engineering, Energy and Electrical Drives (POWERENG), 2013, İstanbul, Türkiye, 13 Mayıs 2013 - 17 Mayıs 2103
- CXXXVI. **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
- CXXXVII. **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
- CXXXVIII. **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
- CXXXIX. **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

- CXL. **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
- CXLI. **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
- CXLII. **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
- CXLIII. **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
- CXLIV. **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
- CXLV. **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
- CXLVI. **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
- CXLVII. **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
- CXLVIII. **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
- CXLIX. **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
- CL. **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
- CLI. **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

- CLII. **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
- CLIII. **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
- CLIV. **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
- CLV. **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
- CLVI. **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
- CLVII. **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
- CLVIII. **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
- CLIX. **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
- CLX. **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
- CLXI. **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
- CLXII. **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
- CLXIII. **The design and analysis of a 5-level cascaded voltage source inverter with low THD**  
Colak I., KABALCI E., BAYINDIR R., Sagiroglu Ş.  
2nd International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2009, Lisbon, Portekiz, 18 - 20 Mart 2009, ss.575-580
- CLXIV. **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, Türkiye, 13 - 15 Mayıs 2009
- CLXV. **Application of Microcontroller Based Meteorology Station**  
DEMİRTAŞ M., BAYINDIR R., DEMİRBAŞ Ş., SEFA İ.  
5TH International Advanced Technologies Symposium (IATS'09), Karabük, Türkiye, 13 - 15 Mayıs 2009
- CLXVI. **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, Türkiye, 13 - 15 Mayıs 2009
- CLXVII. **İnternet ve GSM Tabanlı Uzaktan Kontrol Uygulaması**  
BAYINDIR R., KUNDAKOĞLU H., YILDIRIM S., BEKİROĞLU E.  
2009 5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), 13 Mayıs 2009, ss.545-549
- CLXVIII. **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
- CLXIX. **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
- CLXX. **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
- CLXXI. **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
- CLXXII. **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
- CLXXIII. **Reaktif Güç Kompanzasyonu Uygulamalarının Eğitim Amaçlı Benzetimi**  
ÇOLAK İ., KAPLAN O., BAYINDIR R., KUNDAKOĞLU H.  
ELECO 2008, Bursa, Türkiye, 26 - 30 Kasım 2008
- CLXXIV. **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
- CLXXV. **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
- CLXXVI. **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
- CLXXVII. **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
- CLXXVIII. **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

**CLXXIX. 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

**CLXXX. Simplified Speed Control Application for an Ultrasonic Motor with PIC Microcontroller**

BAL G., BEKİROĞLU E., BAYINDIR R., UZEL H.

Technical and Physical Problems in Power Engineering TPE'2006, 29 Mayıs 2006, ss.960-963

**CLXXXI. 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

**CLXXXII. 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

**CLXXXIII. 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

**CLXXXIV. 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

**CLXXXV. 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

**CLXXXVI. 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

**CLXXXVII. 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

**.LXXXVIII. 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

**CLXXXIX. 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

**CXC. 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), Çin, 12 Eylül 2005, ss.165-171

**CXCI. 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

**CXCII. 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

**CXCIII. 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

**CXCIV. 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

**CXCV. 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, 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

BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Elektrik Enerjisi Üretim Sistemleri İçin Otomatik Paralel Bağlama Ünitesi, 2007 - 2008

BAYINDIR R., Yükseköğretim Kurumları Destekli Proje, Mikrodenetleyici Tabanlı Reaktif Güç Kompanzasyonu, 2005 - 2007

## Bilimsel Dergilerdeki Faaliyetler

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