Prof. MEHMET HAKAN HOCAOĞLU

Personal Information

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International Researcher IDs
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Education Information

Doctorate, University of Wales, Cardiff, England 1994 - 1999
Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yl) (Tezli), Turkey 1985 - 1989
Undergraduate, Marmara University, Teknik Eğitim Fakültesi, Elektrik Eğitimi Bölümü, Turkey 1981 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Power system transients and earthing systems, University of Wales, Cardiff, 1999
Postgraduate, Hat parametrelerinin frekansa bağımlılığı, Marmara University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (Yl) (Tezli), 1989

Research Areas

Electrical and Electronics Engineering, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Commerce University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2021 - Continues
Professor, Gebze Technical University, 2015 - 2021
Associate Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 2009 - 2015
Assistant Professor, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1999 - 2009
Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Fakültesi, Elektronik Mühendisliği Bölümü, 1993 - 1999

Lecturer, Gaziantep University, Teknik Bilimler Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 1988 - 1993

Academic and Administrative Experience

Istanbul Commerce University, 2022 - Continues
Istanbul Commerce University, 2021 - 2022
Head of Department, Gebze Yüksek Teknoloji Enstitüsü, 2000 - 2021
Gebze Technical University, 2018 - 2019
Gebze Technical University, 2017 - 2019
Gebze Technical University, 2015 - 2017
Gebze Yüksek Teknoloji Enstitüsü, 2000 - 2014
Gebze Yüksek Teknoloji Enstitüsü, 2001 - 2007
Gaziantep University, 1988 - 1993
Gaziantep University, 1988 - 1990

Courses

Circuit Theory II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003
Introduction to Electrical and Electronics Engineering, Undergraduate, 2021 - 2022
Power System Grounding, Undergraduate, 2021 - 2022
Introduction to Power System Analysis, Undergraduate, 2021 - 2022
Design Project, Undergraduate, 2021 - 2022
Graduation Project, Undergraduate, 2021 - 2022
Circuit Theory I, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002
Power Systems Fault Analysis and Earthing System Design, Doctorate, 2020 - 2021, 2019 - 2020
Introduction to Power Distribution Systems, Undergraduate, 2020 - 2021
Circuit Theory, Undergraduate, 2019 - 2020
Electrical Transients in Power Systems, Doctorate, 2019 - 2020, 2017 - 2018, 2016 - 2017
Grounding Technics, Undergraduate, 2018 - 2019
Fundamentals of Power System Analysis, Undergraduate, 2018 - 2019
Fundamentals of Power Systems Analysis, Undergraduate, 2017 - 2018, 2016 - 2017
Introduction to Electric Power Systems and Smart Grids, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Introduction of Power Systems, Undergraduate, 2016 - 2017
Computer Based Analyisis of Power Systems, Doctorate, 2015 - 2016, 2014 - 2015
Computer Based Analysis Of Power Systems, Postgraduate, 2013 - 2014
Power Quality and harmonics, Doctorate, 2013 - 2014

Advising Theses

MEHMET HAKAN H., Orta Gerilim Şebekelerinde Toprak Arızası İçin Koruma Karar Destek Sistemi Geliştirilmesi, Doctorate, M.BEKİR(Student), 2021
MEHMET HAKAN H., Distribution network reconfiguration for smart grid operation, Doctorate, A.AYBİKE(Student), 2021
MEHMET HAKAN H., Asenkron generatörlü rüzgar türbinlerinin dengesiz gerilim altında dağıtım sistemlerinde yük akışı

için modellenmesi, Doctorate, A.KÖKSOY(Student), 2020
MEHMET HAKAN H., DA-DA flyback çeviricilerde doğrusal olmayan denetim, Postgraduate, A.DOĞA(Student), 2019
MEHMET HAKAN H., Darbeli yüklerin gerilim değişimleri üzerindeki etkisinin incelenmesi, Postgraduate, O.BADEMCİ(Student), 2019
MEHMET HAKAN H., Enerji altında yüksek gerilim şalt tesislerinde topraklama ölçümü ve analizi: Denizli-1 trafo merkezi örneği, Postgraduate, C.ÖZDEMİR(Student), 2019
MEHMET HAKAN H., Etkin topraklanmayan şebekelerde koruma ve koordinasyon, Postgraduate, M.BEKİR(Student), 2019
MEHMET HAKAN H., Demand modelling for future distribution networks, Postgraduate, J.PEPOSHI(Student), 2018
MEHMET HAKAN H., Harmonik üreten yükleri tespit edebilen cihaz tasarım ve analizi, Postgraduate, F.YILMAZ(Student), 2016
MEHMET HAKAN H., Kaçak akım rölelerinin hatalı çalışmalarına etki eden faktörlerin incelenmesi, Postgraduate, E.KORKMAZ(Student), 2015
MEHMET HAKAN H., Dağıtım sistemlerine yapay arı kolonisi algoritması ile yerel elektrik santrallerinin yerleştirilmesi, Postgraduate, A.AYBİKE(Student), 2013
MEHMET HAKAN H., Tek faz geri kapamada ark arızasının adalıne tabanlı algılanması, Doctorate, Ö.KARACASU(Student), 2012
MEHMET HAKAN H., Ölçü akım transformatörlerinin doğruluğunun sinüzoidal olmayan şartlar altında deneysel incelenmesi, Postgraduate, E.ANİGİ(Student), 2012
MEHMET HAKAN H., Dağıtım sistemlerinde harmonikli güç akışı algoritmalarının ve yük modellerinin karşılaştırılması, Postgraduate, O.ÖZTÜRK(Student), 2011
MEHMET HAKAN H., Gerilim dengesizliklerinin asenkron motor performansına etkisinin incelenmesi, Postgraduate, F.IŞIK(Student), 2011
MEHMET HAKAN H., LabVIEW tabanlı gelişmiş güç kalitesi analizörü, Postgraduate, S.DİNCER(Student), 2010
MEHMET HAKAN H., Harmonik üreten yüklerin belirlenmesi ve optimum kompanzasyon için yeni bir güç ifadesi, Doctorate, M.ERHAN(Student), 2009
MEHMET HAKAN H., Tek faz geri kapama sistemlerinin modellenmesi, Postgraduate, M.YÜKSEK(Student), 2009
MEHMET HAKAN H., Dağıtım sistemlerine yerel elektrik santrallerinin yerleştirilmesi, Doctorate, T.GÖZEL(Student), 2009
MEHMET HAKAN H., Dağıtım sistemleri için yeni bir güç akışı algoritmasının geliştirilmesi, Doctorate, U.EMİNOĞLU(Student), 2007
MEHMET HAKAN H., Aktif ve reaktif enerji ölçen sayaçların sinüzoidal olmayan şartlarda performans analizi, Postgraduate, B.ELMASLAR(Student), 2006
MEHMET HAKAN H., Gerilim değişimlerinin daimi kondansatörlü bir fazlı asenkron motoru üzerindeki etkileri, Postgraduate, İ.EVREN(Student), 2006
MEHMET HAKAN H., Elektrik dağıtım şebekelerinde gerilim değişimlerinin incelenmesi, Postgraduate, Y.BORHAN(Student), 2006
MEHMET HAKAN H., Harmonik üreten yüklere ait yaygın olarak kullanılan modellerin uygulaması, Postgraduate, Ö.KILIÇ(Student), 2006
MEHMET HAKAN H., Ölçü akım transformatörlerinin matematiksel modeli ve sinizoidal olmayan şartlarda simulasyon ile performansının incelenmesi, Postgraduate, S.YILDIZ(Student), 2005
MEHMET HAKAN H., Sinüzoidal olmayan şartlarda güç tanımları ve yük modelleri, Postgraduate, M.ERHAN(Student), 2004
MEHMET HAKAN H., Elektrikli savaş gemilerinde topraklama, Postgraduate, M.TURHAN(Student), 2003
MEHMET HAKAN H., Optimum kojenerasyon tesislerinin süperyapı tabanlı sentezi, Postgraduate, T.USLU(Student), 2003
MEHMET HAKAN H., DC tahrikli raylı ulaşım sistemlerinde ray üzerindeki gerilim ve sızıntı akımının hesaplanması, Postgraduate, K.ÇOLAK(Student), 2003
MEHMET HAKAN H., Karmaşık topraklama sistemlerinde topraklama empedansının ölçülmesi, Postgraduate, O.KATİPOĞULLARI(Student), 2003
MEHMET HAKAN H., Orta gerilim elektrik dağıtım sistemlerinde harmoniklerin analizi, Postgraduate, M.GÖNEN(Student), 2003
MEHMET HAKAN H., Bozulmuş dalga şekilli şebekede enerji ölçümü, Postgraduate, H.CEMEK(Student), 2003

MEHMET HAKAN H., Orta gerilim şebekelerinde kısa süreli gerilim değişimlerinin topraklama metodlarına bağlı incelenmesi, Postgraduate, Ö.KARACASU(Student), 2002
MEHMET HAKAN H., Güç sistemleri için görsel simülatör arayüzü, Postgraduate, T.GÖZEL(Student), 2002
MEHMET HAKAN H., PV (photo-voltaic) temelli enerji sistemleri ve ülkemiz için bir güneş santrali modellemesi, Postgraduate, B.KÖKDEN(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Method-hybridization for preventing capacitive current based false trips in Turkish cable dense distribution networks Kablo yoğun Türk dağıtım şebekelerinde kapasitif akım temelli hatalı açmaların engellenmesi için yöntem-hibritasyonu**
Atsever M. B., Hocaoğlu M. H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.39, no.2, pp.883-897, 2024 (SCI-Expanded)

II. **A faulty feeder selection method for distribution network with unintentional resonance in zero sequence circuit**
Atsever M. B., HOCAOĞLU M. H.
Electric Power Systems Research, vol.223, 2023 (SCI-Expanded)

III. **Improvement of PV unit hosting capacity and voltage profile in distorted radial distribution systems via optimal sizing and placement of passive filters**
Karadeniz A., Balci M. E., HOCAOĞLU M. H.
Electrical Engineering, vol.105, no.4, pp.2185-2198, 2023 (SCI-Expanded)

IV. **Mitigation of sympathy trips in highly cabled non-effectively earthed radial distribution systems via MINLP**
Atsever M. B., HOCAOĞLU M. H.
Electric Power Systems Research, vol.220, 2023 (SCI-Expanded)

V. **Minimization of Voltage Harmonic Distortion of Synchronous Generators under Non-Linear Loading via Modulated Field Current**
Karakaya O., Balci M. E., HOCAOĞLU M. H.
Energies, vol.16, no.4, 2023 (SCI-Expanded)

VI. **Risk assessment of renewable energy and multi-carrier energy storage integrated distribution systems**
Tunçel S., Oskouei M. Z., Şeker A. A., Gözel T., Hocaoğlu M. H., Abapour M., Mohammadi-Ivatloo B.
International Journal of Energy Research, vol.46, no.15, pp.23630-23642, 2022 (SCI-Expanded)

VII. **Performance analysis of three-phase five-leg transformers under DC bias using a new frequency-dependent reluctance-based model**
Canturk S., Balci M. E., HOCAOĞLU M. H., Koseoglu A. K.
IET Generation, Transmission and Distribution, vol.16, no.12, pp.2455-2465, 2022 (SCI-Expanded)

VIII. **A Critical Review on the Impacts of Energy Storage Systems and Demand-Side Management Strategies in the Economic Operation of Renewable-Based Distribution Network**
Oskouei M. Z., Şeker A. A., Tunçel S., Demirbaş E., Gözel T., HOCAOĞLU M. H., Abapour M., Mohammadi-Ivatloo B.
Sustainability (Switzerland), vol.14, no.4, 2022 (SCI-Expanded)

IX. **Accuracy assessment of frequency-domain models for harmonic analysis of residential type photovoltaic-distributed generation units**
Karadeniz A., Ozturk O., Koksoy A., Bekir Atsever M., Balci M. E., HOCAOĞLU M. H.
Solar Energy, vol.233, pp.182-195, 2022 (SCI-Expanded)

X. **Investigation of the Effects of DC Bias on Single-Phase Shell Type Transformers Using Frequency-Dependent Reluctance-Based Model**
Canturk S., Balci M. E., HOCAOĞLU M. H., Koseoglu A. K.
IEEE Transactions on Magnetics, vol.57, no.9, 2021 (SCI-Expanded)

XI. **BIBC matrix modification for network topology changes: Reconfiguration problem implementation**
Şeker A. A., Gözel T., HOCAOĞLU M. H.
Energies, vol.14, no.10, 2021 (SCI-Expanded)

XII. **Quantitative Evaluation of Data Centers' Participation in Demand Side Management**
Takci M. T., Gozel T., HOCAOĞLU M. H.
IEEE Access, vol.9, pp.14883-14896, 2021 (SCI-Expanded)

XIII. **COVID19 Led Virtualization: Green Data Center for Information Systems Research**
Lee H., Choi Y., Van Nguyen T., Hai Y., Kim J., Bahja M., HOCAOĞLU M. H.
Information Systems Management, vol.37, no.4, pp.272-276, 2020 (SCI-Expanded)

XIV. **A newwind turbine generating system model for balanced and unbalanced distribution systems load flow analysis**
Koksoy A., Ozturk O., Balci M. E., HOCAOĞLU M. H.
Applied Sciences (Switzerland), vol.8, no.4, 2018 (SCI-Expanded)

XV. **A current decomposition-based method for computationally efficient implementation of power resolution meters in non-sinusoidal single-phase systems**
Balci M. E., HOCAOĞLU M. H.
Metrology and Measurement Systems, vol.20, no.2, pp.263-274, 2013 (SCI-Expanded)

XVI. **An Adaline based arcing fault detection algorithm for single-pole autoreclosers**
Karacasu O., HOCAOĞLU M. H.
Electric Power Systems Research, vol.81, no.2, pp.367-376, 2011 (SCI-Expanded)

XVII. **An analysis on the nonactive powers for nonsinusoidal conditions Si•nüzoi•dal olmayan şartlarda akti•f olmayan güçler üzeri•ne bi•r anali•z**
Balci M. E., HOCAOĞLU M. H.
Journal of the Faculty of Engineering and Architecture of Gazi University, vol.26, no.2, pp.307-313, 2011 (SCI-Expanded)

XVIII. **Comments on "the role of Poynting's vector in polyphase power calculations"**
Balci M., HOCAOĞLU M. H., Aksoy S.
European Transactions on Electrical Power, vol.20, no.8, pp.1255, 2010 (SCI-Expanded)

XIX. **DSPFAP: Distribution systems power flow analysis package using matlab graphical user interface (GUI)**
Eminoglu U., Gözel T., HOCAOĞLU M. H.
Computer Applications in Engineering Education, vol.18, no.1, pp.1-13, 2010 (SCI-Expanded)

XX. **Discussion on A new model for wind turbine systems**
Hocaoglu M. H.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.38, no.7, pp.862-863, 2010 (SCI-Expanded)

XXI. **A comprehensive review and adequacy evaluation of voltage stability indices for modern distribution systems**
Eminoglu U., HOCAOĞLU M. H., Ayasun S.
International Review of Electrical Engineering, vol.5, no.2, pp.698-708, 2010 (SCI-Expanded)

XXII. **An analytical method for the sizing and siting of distributed generators in radial systems**
Gözel T., HOCAOĞLU M. H.
Electric Power Systems Research, vol.79, no.6, pp.912-918, 2009 (SCI-Expanded)

XXIII. **Three-phase transformer and voltage regulator modelling for forward/backward sweep-based distribution system power flow algorithms**
Eminoglu U., HOCAOĞLU M. H.
International Journal of Electrical Engineering and Education, vol.46, no.1, pp.30-46, 2009 (SCI-Expanded)

XXIV. **Transmission line shunt and series compensation with voltage sensitive loads**
Eminoglu U., HOCAOĞLU M. H., Yalcinoz T.
International Journal of Electrical Engineering and Education, vol.46, no.4, pp.354-369, 2009 (SCI-Expanded)

XXV. **Distribution systems forward/backward sweep-based power flow algorithms: A review and comparison study**

Eminoglu U., HOCAOĞLU M. H.
Electric Power Components and Systems, vol.37, no.1, pp.91-110, 2009 (SCI-Expanded)

XXVI. **Incorporation of a new wind turbine generating system model into distribution systems load flow analysis**
Eminoglu U., Dursun B., HOCAOĞLU M. H.
Wind Energy, vol.12, no.4, pp.375-390, 2009 (SCI-Expanded)

XXVII. **A tool for voltage stability and optimization (VS&OP) in radial distribution systems using matlab graphical user interface (GUI)**
Gözel T., Eminoglu U., HOCAOĞLU M. H.
Simulation Modelling Practice and Theory, vol.16, no.5, pp.505-518, 2008 (SCI-Expanded)

XXVIII. **A pre-feasibility case study on integrated resource planning including renewables**
Bolat P., HOCAOĞLU M. H., Konukman A. E. S.
Energy Policy, vol.36, no.3, pp.1223-1232, 2008 (SCI-Expanded)

XXIX. **Quantitative comparison of power decompositions**
Erhan Balci M., HOCAOĞLU M. H.
Electric Power Systems Research, vol.78, no.3, pp.318-329, 2008 (SCI-Expanded)

XXX. **A new power flow method for radial distribution systems including voltage dependent load models**
Eminoglu U., HOCAOĞLU M. H.
Electric Power Systems Research, vol.76, no.1-3, pp.106-114, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. **KABLO YOĞUN RADYAL DAĞITIM ŞEBEKELERİNDE KAPASİTİF AKIM TEMELLİ HATALI AÇMALARIN İNCELENMESİ**
ATSEVER M. B., HOCAOĞLU M. H.
Problems of Energy and Resource Saving, vol.1, no.1, pp.167-177, 2021 (Peer-Reviewed Journal)

II. **Determination of Proper Angle Settings in Resistance Grounded Distribution Systems for Directional Earth Fault Relays**
ATSEVER M. B., KARACASU Ö., HOCAOĞLU M. H.
Turkish Journal of Electrical Power and Energy Systems, vol.1, pp.26-32, 2021 (Peer-Reviewed Journal)

III. **A power resolution for cost effective compensation and harmonic source detection in smart power grids**
Balci M. E., HOCAOĞLU M. H.
Istanbul University - Journal of Electrical and Electronics Engineering, vol.17, pp.3155-3168, 2017 (Scopus)

IV. **On the Definition of Apparent Power**
CANTÜRK Ş., BALCI M. E., HOCAOĞLU M. H.
Electric Power Quality and Utilisation Journal, vol.18, no.2, pp.1-10, 2015 (Peer-Reviewed Journal)

V. **A New PV-Node Modeling for the Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
International Journal of Distributed Energy Resources, vol.6, no.1, pp.1-17, 2010 (Peer-Reviewed Journal)

VI. **A New PV Node Modelling for Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
International Journal of Distributed Energy ResourcesVolume 6 Number 1 (2010) Pages 1 - 17Manuscript received: 22. September 2008International Journal of Distributed Energy Resources, vol.6, no.1, pp.1-18, 2010 (Peer-Reviewed Journal)

VII. **A NETWORK TOPOLOGY-BASED VOLTAGE STABILITY INDEX FOR RADIAL DISTRIBUTION NETWORKS**
EMİNOĞLU U., HOCAOĞLU M. H.
INTERNATIONAL JOURNAL OF POWER AND ENERGY SYSTEMS, vol.29, no.2, pp.131-143, 2009 (Scopus)

VIII. **Effects of Source Voltage Harmonic Distortion on Power Factor Compensation in Triac Controlled AC Chopper Circuits**

BALCI M. E., HOCAOĞLU M. H.
Electrical Power Quality and Utilisation Journal, vol.14, no.1, pp.53-60, 2008 (Peer-Reviewed Journal)

IX. **Yüksek Gerilim Tesislerinde Topraklama**
HOCAOĞLU M. H.
Endüstri&Otomasyon Dergisi, no.46, pp.26-27, 2001 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Frequency-domain power theory and metering of harmonic pollution responsibility**
BALCI M. E., HOCAOĞLU M. H.
in: Power Quality in Future Electrical Power Systems, Ahmed F. Zobaa and Shady Hossam Eldeen Abdel Aleem, Editor, IET, pp.29-76, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **Onsite Partial Discharge Detection and Location System for Underground Cables Using USRP-Based Measurement System**
ATSEVER M. B., BOYACI A., YARKAN S., HOCAOĞLU M. H.
2024 6th Global Power, Energy and Communication Conference (GPECOM), 04 June 2024

II. **A Predictive Maintenance Approach for Non-Effectively Earthed Radial Distribution Networks**
ATSEVER M. B., HOCAOĞLU M. H., Deveci U., Yılmaz S. C.
11th International Conference On Electrical And Electronics Engineering (ICEEE 2024), Muğla, Turkey, 22 - 25 April 2024

III. **EMTP-ATP Draw Modelling for Partial Discharge Detection and Location System for Underground Cables**
ATSEVER M. B., HOCAOĞLU M. H., Yüzgüleç S., Deveci U., Yılmaz S. C., YARKAN S., BOYACI A., Mesci N., Mesci N.
2024 11TH INTERNATIONAL CONFERENCE ON ELECTRICAL AND ELECTRONICS ENGINEERING, Muğla, Turkey, 22 April 2024

IV. **OPTIMAL OVERCURRENT RELAY COORDINATION IN DISTRIBUTION NETWORKS USING PATH FINDER ALGORITHM**
ATSEVER M. B., HOCAOĞLU M. H.
4th International Turkish World Enginering and Science Congress, Antalya, Turkey, 30 November - 04 December 2023

V. **Zero-Sequence Based Fault Location in Non-Effectively Earthed Distribution Systems**
Atsever M. B., Deveci U., Yilmaz S. C., HOCAOĞLU M. H.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022

VI. **Optimal Overcurrent Relay Coordination Using Grey Wolf Optimizer**
ATSEVER M. B., HOCAOĞLU M. H.
3nd International Turkish World Engineering and Science Congress, Turkey, 22 November 2021, pp.127-134

VII. **Time Characteristic Curve Based Earth Fault Relay Selectivity Assessment for Optimal Overcurrent Relay Coordination in Distribution Networks**
Atsever M. B., Hocaoğlu M. H.
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022

VIII. **Reluctance Model Considering Frequency Dependency of Winding Losses For Single-Phase Shell Type Transformers**
CANTÜRK Ş., BALCI M. E., HOCAOĞLU M. H., KÖSEOĞLU A. K.
3. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Turkey, 22 October 2021, pp.87-98

IX. **An Approach To Improve Harmonic Distortion of Synchronous Generator Terminal Voltage Under Non-Linear Loading : ANN Based Synthesis of Excitation Current**
KARAKAYA O., BALCI M. E., HOCAOĞLU M. H.
3. Uluslararası Türk Dünyası Mühendislik ve Fen Bilimleri Kongresi, Turkey, 22 October 2021

X. **Optimal overcurrent relay coordination in distribution networks**
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
56th International Universities Power Engineering Conference, UPEC 2021, Virtual, Middlesbrough, England, 31 August - 03 September 2021

XI. **Distribution network risk assessment in the presence of RES and ESS**
Tuncel S., Gozel T., Seker A. A., Oskouei M. Z., Mohammadi-Ivatloo B., Abapour M., HOCAOĞLU M. H.
2021 11th Smart Grid Conference, SGC 2021, Tabriz, Iran, 7 - 09 December 2021

XII. **Earth Fault Protection Selectivity Issues on Reactance Earthed Distribution System**
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.257-262

XIII. **Performance Analysis of Different Optimization Algorithms on Overcurrent Relay Coordination Problem in Distribution Systems**
Atsever M. B., Karacasu O., HOCAOĞLU M. H.
2021 11th Smart Grid Conference, SGC 2021, Tabriz, Iran, 7 - 09 December 2021

XIV. **The Effect of Zero Sequence Impedance Parameters on Distance Protection Settings: A Case Study**
GÜZEL S., Gürsanlı Ö., ÖZTÜRK O., KARACASU Ö., Akdeniz M., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.119-124

XV. **The Importance of Multi Layer Soil Model in Substation Grounding System Design**
Azizi R., Gürsanlı Ö., KARACASU Ö., Güzel S., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.125-130

XVI. **Determination of Proper Angle Settings for Resistance Grounded Distribution Systems for Directional Earth Fault Relays**
ATSEVER M. B., KARACASU Ö., HOCAOĞLU M. H.
2020 12th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 November 2020, pp.113-118

XVII. **Forecasting Power Consumption of IT Devices in a Data Center**
TAKCI M. T., GÖZEL T., HOCAOĞLU M. H.
2019 20th International Conference on Intelligent System Application to Power Systems (ISAP), Yeni Delhi, India, 16 April 2020 - 14 December 2019

XVIII. **Radyal Dağıtım Sistemlerinde Yönlü ve Yönsüz Koruma Performanslarının Tek Faz Toprak Arızası için Karşılaştırılması**
ATSEVER M. B., Karacasu Ö., HOCAOĞLU M. H.
ELECO 2018 Elektrik-Elektronik ve Biyomedikal Mühendisliği Konferansı, Bursa, Turkey, 30 November - 01 December 2018, pp.20-24

XIX. **YAPAY SİNİR AĞLARI YÖNTEMİ İLE VERİ MERKEZİ GÜÇ TÜKETİMİ TAHMİNİ VE SİMÜLATÖR ARA YÜZ TASARIMI**
TAKCI M. T., GÖZEL T., HOCAOĞLU M. H.
2. ULUSLARARASI TÜRK DÜNYASI MÜHENDİSLİK VE FEN BİLİMLERİ KONGRESİ, Antalya, Turkey, 7 - 10 November 2019, vol.2, pp.465-473

XX. **Radyal Dağıtım Sistemleri için Yönlü Koruma Eğrisinin ve Denkleminin Belirlenmesi**
ATSEVER M. B., Karacasu Ö., HOCAOĞLU M. H.
2.Uluslararası Türk DünyasMühendislik ve Fen Bilimleri Kongresi, Antalya, Turkey, 7 - 10 November 2019, vol.1, pp.426-434

XXI. **Maximizing DG Penetration with an Analytical Approach and Artificial Bee Colony Algorithm**

ŞEKER A. A., GÖZEL T., HOCAOĞLU M. H.
2019 6th International Conference on Electrical and Electronics Engineering (ICEEE), İstanbul, Turkey, 16 - 17 April 2019

XXII. **An Analytic Approach to Determine Maximum Penetration Level of Distributed Generation Considering Power Loss**
ŞEKER A. A., GÖZEL T., HOCAOĞLU M. H.
2018 Twentieth International Middle East Power Systems Conference (MEPCON), kahire, Egypt, 18 - 20 December 2018

XXIII. **Fotovoltaik Dağıtık Üretim Birimleri için Harmonik Modellerin Ölçüm Temelli İstatistiksel Hassasiyet Analizi**
KARADENİZ A., ATSEVER M. B., KÖKSOY A., ÖZTÜRK O., BALCI M. E., HOCAOĞLU M. H.
ENRES 2018, Alanya, Turkey, 31 October - 02 November 2018, pp.348-358

XXIV. **An Initial Study of Analytical Approach for Reconfiguration**
ŞEKER A. A., GÖZEL T., HOCAOĞLU M. H.
2018 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe), Sarajevo, Bosnia and Herzegovina, Bosnia And Herzegovina, 21 - 25 October 2018

XXV. **Radyal Dağıtım Sistemlerinde Tek Faz Toprak Arızası için Sıfır Sıra Bileşen Temelli Yönlü Koruma Yöntemlerinin Karşılaştırılması**
ATSEVER M. B., karacasu ö., HOCAOĞLU M. H.
Güç Sistemleri Konferansı, Ankara, Turkey, 15 - 16 November 2018, pp.75-80

XXVI. **DESIGNING OF A SIMULATOR ARCHITECTURE FOR GREENER DATA CENTER THROUGH KNOWLEDGE TRANSFER BY PARTNERS IN DIFFERENT SECTORS**
TAKCI M. T., ŞEKER A. A., GÖZEL T., HOCAOĞLU M. H.
12TH INTERNATIONAL TECHNOLOGY, EDUCATION AND DEVELOPMENT CONFERENCE (INTED), Valencia, Spain, 5 - 07 March 2018, pp.4069-4076

XXVII. **Demand Side Management A New Opportunity For Energy Efficient Data Centers**
HOCAOĞLU M. H., GÖZEL T., TAKCI M. T.
ICEBEG 2017 : International Conference on eBusiness and eGovernment, 23 November 2017

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GÖZEL T., HOCAOĞLU M. H.
ICEBEG 2017 : International Conference on eBusiness and eGovernment, Ankara, Turkey, 23 November 2017

XXIX. **DATA CENTRE ENERGY MANAGEMENT IN SMART GRIDS**
HOCAOĞLU M. H., Takçı M. T., GÖZEL T.
1. International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 December 2017, vol.1, pp.50

XXX. **A TRAINING NETWORK FOR GREEN DATA CENTRES OPERATIONS MANAGEMENT THROUGH STAFF EXCHANGE**
Lee H., Pitelis C., Kim K., Choi Y., Dinev B., Yonkov Y., HOCAOĞLU M. H., GÖZEL T., Yenice S., Aktaş M.
EDULEARN 2017, Barcelona, Spain, Spain, 3 - 05 July 2017, vol.1, pp.9093-9101

XXXI. **Demand Modelling for Future Distribution Networks**
Peposhi J., HOCAOĞLU M. H., GÖZEL T.
International Students Science Conference, İzmir, Turkey, 5 - 06 May 2017

XXXII. **Statistical evaluation of the widely known harmonic source detection methods for several load types under the different distorted test voltages**
BALCI M. E., HOCAOĞLU M. H.
Intelligent Infrastructures for Sustainable and Resilient Future Energy Systems (Workshop), İstanbul, Turkey, 24 - 27 May 2017

XXXIII. **Design and analysis of a portable harmonic source allocator Tasýnabilir harmonik kaynagi analizörü tasarimi ve analizi**
Yilmaz F., Ozturk O., HOCAOĞLU M. H.
2016 National Conference on Electrical, Electronics and Biomedical Engineering, ELECO 2016, Bursa, Turkey, 1 - 03

December 2016, pp.91-95

XXXIV. **Taşınabilir Harmonik Kaynağı Analizörü Tasarımı ve Analizi**
Yılmaz F., ÖZTÜRK O., HOCAOĞLU M. H.
Elektrik - Elektronik ve Bilgisayar Mühendisliği Sempozyumu, Turkey, 1 - 03 December 2016

XXXV. **Yerel Elektrik Santrallerinin Dağıtım Sistemine Yerleştirilmesinde Duyarlılık İndisinin YAK Algoritmasına Etkisinin İncelenmesi**
ŞEKER A. A., GÖZEL T., HOCAOĞLU M. H.
EEMKON 2015, Turkey, 19 - 21 November 2015

XXXVI. **A New Design Tool for Distribution Substation Earthing Safety**
Weller R., Mark D., HOCAOĞLU M. H., Steve T.
CIRED, 21st International Conference on Electricity Distribution, Lyon, France, 15 - 18 June 2015

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EVK 2015, Sakarya, Turkey, 4 - 06 June 2015

XXXVIII. **Dengesiz güç akışı analizleri için sabit hızlı asenkron generatörlü rüzgar türbini modeli bölüm 2 yük akışı uygulamaları**
ÖZTÜRK O., KÖKSOY A., BALCI M. E., HOCAOĞLU M. H., DURSUN B.
EVK 2015, Sakarya, Turkey, 4 - 06 June 2015

XXXIX. **An Analysis into the Effect of Voltage Harmonics on the Maximum Loading Capability of Transformers**
BALCI M. E., ARSLAN E., HOCAOĞLU M. H.
16th International Conference on Harmonics and Quality of Power, 25 - 28 May 2014

XL. **A Fixed Speed Induction Generator Model for Unbalanced Power Flow Analysis**
BALCI M. E., ARSLAN E., HOCAOĞLU M. H.
16th International Conference on Harmonics and Quality of Power, 25 - 28 May 2014

XLI. **DAĞITIM SİSTEMİNE YEREL ELEKTRİK SANTRALLERİNİN YERLEŞTİRİLMESİ**
ŞEKER A. A., HOCAOĞLU M. H.
ICSG 2014, İstanbul, Turkey, 8 - 09 May 2014

XLII. **Artificial Bee Colony Algorithm for Optimal Placement and Sizing of Distributed Generation**
Şeker A. A., HOCAOĞLU M. H.
ELECO 9th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 24 - 26 November 2013, vol.1, pp.127-132

XLIII. **Renewable resource based DG unit allocation in distribution systems**
ŞEKER A. A., HOCAOĞLU M. H.
RENEWBUILD International Conference on Application of Efficient & Renewable Energy Technologies in Low Cost Buildings and Infrastructure, Ankara, Turkey, 17 - 19 September 2013, vol.1, pp.233-248

XLIV. **A power resolution for nonsinusoidal and unbalanced systems - Part I: Literature overview and motivation**
Balci M., HOCAOĞLU M. H.
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011

XLV. **A power resolution for nonsinusoidal and unbalanced systems - Part II: Theoretical background**
Balci M., HOCAOĞLU M. H.
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011

XLVI. **Addendum to a power resolution for nonsinusoidal and unbalanced systems: Evaluation examples**
Balci M., HOCAOĞLU M. H.
7th International Conference on Electrical and Electronics Engineering, ELECO 2011, Bursa, Turkey, 1 - 04 December 2011

XLVII. **Güneş Dizilerinde Frekans Cevap Analizi ile Arıza Tespiti**

SARIKURT T., HOCAOĞLU M. H.
YEKSEM 2011 VI. Yenilenebilir Enerji Kaynakları Sempozyumu, Denizli, Turkey, 14 - 16 October 2011

XLVIII. **Arcing fault detection via frequency measurement Frekans ölçümü ile ark arizasinin algilanmasi**
Karacasu Ö., HOCAOĞLU M. H.
2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Turkey, 20 - 22 April 2011, pp.690-693

XLIX. **MOBİL PLATFORMLARDA KULLANILAN GÜNEŞ DİZİLERİNDE ARIZA TESPİTİ**
SARIKURT T., HOCAOĞLU M. H.
EVK 2011, IV. Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 11 - 12 May 2011

L. **On the validity of harmonic source detection methods and indices**
Balci M. E., HOCAOĞLU M. H.
14th International Conference on Harmonics and Quality of Power, ICHQP 2010, Bergamo, Italy, 26 - 29 September 2010

LI. **A current resolution for fast measurement of power resolutions in non sinusoidal single phase systems**
Balci M. E., HOCAOĞLU M. H.
14th International Conference on Harmonics and Quality of Power, ICHQP 2010, Bergamo, Italy, 26 - 29 September 2010

LII. **Simulational analysis of a novel arcing fault detection method Yeni bir ark arizasi algilama metodunun simülasyonla analizi**
Karacasu Ö., HOCAOĞLU M. H.
2010 7th National Conference on Electrical, Electronics and Computer Engineering, ELECO 2010, Bursa, Turkey, 2 - 05 December 2010, pp.118-122

LIII. **Effects of parallel power cables on current distribution Paralel güç kablolarinin akim dağilimi üzerindeki etkisi**
Öztürk O., Karacasu Ö., HOCAOĞLU M. H.
2010 7th National Conference on Electrical, Electronics and Computer Engineering, ELECO 2010, Bursa, Turkey, 2 - 05 December 2010, pp.133-136

LIV. **Arcing fault detection based on ADALINE for single-pole autorecloser Tek faz geri kapamada ark arizasinin ADALINE tabanli algilanmasi**
Karacasu Ö., HOCAOĞLU M. H.
18th IEEE Signal Processing and Communications Applications Conference, SIU 2010, Diyarbakır, Turkey, 22 - 24 April 2010, pp.852-855

LV. **Comparative review of multi-phase apparent power definitions**
Balci M., HOCAOĞLU M. H.
6th International Conference on Electrical and Electronics Engineering, ELECO 2009, Bursa, Turkey, 5 - 08 November 2009

LVI. **A detection method for harmonic producing loads**
Balci M., Karacasu O., HOCAOĞLU M. H.
6th International Conference on Electrical and Electronics Engineering, ELECO 2009, Bursa, Turkey, 5 - 08 November 2009

LVII. **Experimental verification of harmonic load models**
Balci M., Ozturk D., Karacasu O., HOCAOĞLU M. H.
43rd International Universities Power Engineering Conference, UPEC 2008, Padova, Italy, 1 - 04 September 2008

LVIII. **A Tool for Voltage Stability and Optimization in Radial Distribution Systems Part I: Optimisation Analysis**
GÖZEL T., EMİNOĞLU U., HOCAOĞLU M. H.
4th International Conference on Technical and Physical Problems of Power Engineering, 12 - 13 November 2008, pp.11-15

LIX. **Web Tabanlı Dağıtım Sistemleri Güç Akış Analiz Programı**
GÖZEL T., EMİNOĞLU U., HOCAOĞLU M. H.

Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO'2008), Bursa, Turkey, 15 - 17 October 2008, pp.325-329

LX. **Optimal Placement and Sizing of Distributed Generators on radial systems**
GÖZEL T., BALIKÇI A., HOCAOĞLU M. H.
ELECO 5th International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 12 - 14 December 2007, pp.127-131

LXI. **Three-Phase Voltage Regulator Modeling for Forward/Backward Sweep-Based Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
5th International Conference on Electrical and Electronics Engineering Conference, 5 - 09 December 2007, pp.224-228

LXII. **Three-phase transformer modeling for forward/backward sweep-based distribution systems power flow algorithms**
Eminoglu U., HOCAOĞLU M. H.
42nd International Universities Power Engineering Conference, UPEC 2007, Brighton, England, 4 - 06 September 2007, pp.115-120

LXIII. **A Voltage Stability Index for Radial Distribution Networks**
EMİNOĞLU U., HOCAOĞLU M. H.
IEEE 42nd International Universities Power Engineering Conference, 4 - 06 September 2007, pp.408-413

LXIV. **Optimal Allocation of Hydrogen Fuel Cells on Radial Electrical Distribution Systems**
GÖZEL T., BALIKÇI A., HOCAOĞLU M. H.
2.International Hydrogen Energy Condress and Exibition 2007, 13 - 15 July 2007

LXV. **Three-Phase Controlled-Q Updating Method for Forward/Backward Sweep-Based Distribution Systems Power Flow Algorithms**
EMİNOĞLU U., HOCAOĞLU M. H.
IEEE PowerTech Conference, 1 - 05 July 2007, pp.380-384

LXVI. **Optimal Placement and Sizing of Fuel cell units on radial systems**
GÖZEL T., BALIKÇI A., HOCAOĞLU M. H.
IHEC'2007, International Hydrogen Energy Conference, İstanbul, Turkey, 5 - 07 June 2007

LXVII. **Kompakt Flüorasan Lambaların Oluşturdukları Harmoniklerin Modellenmesi**
Çakıroğlu A. O., BALIKÇI A., HOCAOĞLU M. H.
EVK 2007, Turkey, 17 - 18 May 2007

LXVIII. **Effects of source voltage harmonic distortion on power factor compensation in triac controlled AC chopper circuits**
Balci M., HOCAOĞLU M. H.
Sixth International Conference on Power Electronics and Drive Systems, PEDS 2005, Kualu Lumpur, Malaysia, 28 November - 01 December 2005, vol.2, pp.1199-1204

LXIX. **A robust power flow algorithm for radial distribution systems**
Eminoglu U., HOCAOĞLU M. H.
2005 IEEE Russia Power Tech, PowerTech, St. Petersburg, Russia, 27 - 30 June 2005

LXX. **Optimal Placement and Sizing of Distributed Generation on Radial Feeder with Different Static Load Models**
GÖZEL T., HOCAOĞLU M. H., EMİNOĞLU U., BALIKÇI A.
FPS 2005, International Conference on Future Power Systems, Amsterdam, Netherlands, 16 - 18 November 2005, pp.1-5

LXXI. **Preliminary Study on Hybrid Energy System for an Educational Campus**
BOLAT P., KONUKMAN A. Ş., HOCAOĞLU M. H.
International Hydrogen Energy Congress and Exhibition, Turkey, 13 July 2005

LXXII. **Comparison of power definitions for reactive power compensation in nonsinusoidal conditions**
Balci M. E., HOCAOĞLU M. H.
2004 11th International Conference on Harmonics and Quality of Power, Lake Placid, NY, United States Of America,

12 - 15 September 2004, pp.519-524

LXXIII. **Effect of SVCs on transmission system voltage profile for different static load models**
Eminoglu U., HOCAOĞLU M. H.
39th International Universities Power Engineering Conference, UPEC 2004, Bristol, England, 6 - 07 September 2004, vol.1, pp.11-14

LXXIV. **Dynamic performance of SVC on Stair-Case Dynamic Load**
EMİNOĞLU U., HOCAOĞLU M. H., AYASUN S.
International Agegean Conference on Electrical Machines and Power Electronics (ACEMP 2005), 26 - 28 May 2004, pp.209-213

LXXV. **Calculation of rail potentials in a DC electrified railway system**
Çolak K., HOCAOĞLU M. H.
UPEC 2003, 38th International Universities' Power Engineering Conference, Thessaloniki, Greece, 1 - 03 September 2003, vol.38, pp.232-235

LXXVI. **Comparison of fault current calculation techniques for analysing earthing system performance**
HOCAOĞLU M. H., Griffiths H.
Proceedings of the 1997 32nd Univertsities Power Engineering Conference, UPEC'97. Part 2 (of 2), Manchester, England, 10 - 12 September 1997, vol.2, pp.1106-1109

LXXVII. **Topraklama sistemlerinin performans analizinde arıza seviyesi kontrolü ve güvenlik kriteri için yeni yaklaşımlar**
HOCAOĞLU M. H., Griffiths H., HOCAOĞLU A. T.
Elektrik, Elektronik, Bilgisayar Mühendisliği 7. Ulusal Kongresi, Ankara, Turkey, 24 September 1997, vol.1, pp.524-527

LXXVIII. **Bir Eğitim Kampüsü İçin Yenilenebilir Enerji Potansiyelinin Değerlendirilmesi**
BOLAT P., KONUKMAN A. Ş., HOCAOĞLU M. H.
Yenilenebilir Enerji Sempozyumu, Turkey, 19 October 1979

Supported Projects

HOCAOĞLU M. H., TEİAŞ bağlantılı anatrafo merkezlerindeki kalite parametreleri ile şebeke nötür akım verileri üzerinden proaktif arıza tahmini projesi, 2022 - Continues

HOCAOĞLU M. H., Hardware in the Loop Based Design, Development and Verification of Multi- Agent System (MAS) Based Protection for a Smart Distribution Network, 2021 - Continues

HOCAOĞLU M. H., Industrial Thesis Project, Sinüzoidal Olmayan Sistemler için Güç Transformatörü Tasarımı, Continues

HOCAOĞLU M. H., İran'ın Doğu Azerbeycan Eyaletinin Güç Sisteminde Yenilenebilir Enerji Kaynakları ile Enerji Depolama Sistemlerin Planlanması, 2020 - 2022

HOCAOĞLU M. H., GREENDC Sustainable energy demand side management for GREEN Data Centers,Grant agreement No: 734273, 2017 - 2022

HOCAOĞLU M. H., Yüksek Oranda Yerel Elektrik Santralleriyle Beslenmekte Olan Dağıtım Şebekelerinin Etki Haritalarının Çıkarılması, 2017 - 2019

HOCAOĞLU M. H., Evirici Devreli Dağıtık Üretim Tesislerinin Güç Sistemlerine Azami Katılımı Için Optimal Pasif Harmonik Filtre Boyutlandırma Ve Yerleştirme Algoritması Geliştirmek (116E110), 2017 - 2019

HOCAOĞLU M. H., Other International Funding Programs, Hibrid kablo sistemleri için analiz metodolojisi geliştirilmesi Devolopment of Analysis methodology for hybrid cable systems, 2016 - 2016

HOCAOĞLU M. H., 5132809 TEİAŞ İletim Sistemi Çerçeve Programı Projesi, 2014 - 2016

HOCAOĞLU M. H., Other International Funding Programs, S34 standardının dördüncü ekindeki formüllerin revize edilmesi ile ilgili analiz Appendix 4 Formulae of Revised S34 Standard, 2014 - 2015

HOCAOĞLU M. H., Project Supported by Other Private Institutions, Tranformatör rezonans olayları ile ilgili ölçüm ve analiz, 2014 - 2015

HOCAOĞLU M. H., TUBITAK Project, Asenkron Generatörlü Rüzgâr Türbinlerinin Dengesiz Gerilim Altında Dağıtım Sistemlerinde Yük Akışı İçin Modellenmesi, 2013 - 2015

HOCAOĞLU M. H., Harmonik Üreten Yüklerin Tespiti için Yeni Bir Metot Geliştirmek 110E113, 2010 - 2013
HOCAOĞLU M. H., Güç Akışı Kararlılık Ve Optimizasyon Analizlerinin Yapılabileceği Bir Dağıtım Sistemleri Analiz Paket DSAP Programının Geliştirilmesi 107E242, 2008 - 2009
HOCAOĞLU M. H., Harmonikli Sistemlerde Güç Akışı İçin Yeni Bir Yük Modeli 116E132, 2007 - 2009
HOCAOĞLU M. H., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, İki Hızlı Rüzgar Türbini Dizaynı ve Analizi DPT 2003K120530, 2005 - 2006
HOCAOĞLU M. H., Project Supported by Higher Education Institutions, Rüzgar Türbinleri için Çift Hızlı Asenkron Generatör Geliştirilmesi, 2004 - 2005

Activities in Scientific Journals

Türk Mühendislik Araştırma ve Eğitimi Dergisi, Committee Member, 2022 - Continues

Scientific Refereeing

TÜBİTAK International Bilateral Joint Cooperation Program Project, 2535 TÜBİTAK-IRAN MSRT, Istanbul Commerce University, Turkey, November 2024
TÜBİTAK International Bilateral Joint Cooperation Program Project, Italian National Research Council, CNR Bilateral Joint Cooperation Program, Istanbul Commerce University, Turkey, September 2024