

# Prof. MEHMET HAKAN HOCAOĞLU

## Personal Information

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## International Researcher IDs

ScholarID: C\_jAdtEAAAAJ

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Publons / Web Of Science ResearcherID: AAE-6370-2019

ScopusID: 57219053245

Yoksis Researcher ID: 36824

## Education

Doctorate, University of Wales, Cardiff, England 1994 - 1999

Postgraduate, Marmara University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi (YI) (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 (YI) (Tezli), 1989

## Research Areas

Electrical and Electronics Engineering, Engineering and Technology

## Academic Positions

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

### Doctorate

Power Systems Fault Analysis and Earthing System Design, Doctorate, 2020 - 2021, 2019 - 2020

Electrical Transients in Power Systems, Doctorate, 2019 - 2020, 2017 - 2018, 2016 - 2017

Computer Based Analysis of Power Systems, Doctorate, 2015 - 2016, 2014 - 2015

Power Quality and harmonics, Doctorate, 2013 - 2014

### Postgraduate

Computer Based Analysis Of Power Systems, Postgraduate, 2013 - 2014

### Undergraduate

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

Introduction to Power Distribution Systems, Undergraduate, 2020 - 2021

Circuit Theory, Undergraduate, 2019 - 2020

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

## Supervised 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.PEPOŞI(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 adaline tabanlı algılanması, Doctorate, Ö.KARACASU(Student), 2012

MEHMET HAKAN H., Ölçü akım transformatörlerinin doğruluğunun sinüzoidal olmayan şartlar altında deneysel incelenmesi, Postgraduate, E.ANİĞİ(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.İŞİK(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 sinüzoidal 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 simülasyon 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

## Journal articles indexed in 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., Hocaoglu 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., Hocaoglu 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. **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)
- XII. **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)
- 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 new wind 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. **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)
- XXI. **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)
- 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. **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)
- XXIV. **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)

- XXV. **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)
- XXVI. **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)
- 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. **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)
- XXIX. **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)
- 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. **Üç Fazlı Sistemler için IEEE Standart 1459 2000 e Uygun Paralel Güç Kablolarının Akım Dağılımı Üzerinde Etkisi**  
ÖZTÜRK O., KARACASU Ö., HOCAOĞLU M. H.  
3e-Electrotech Enerji-Elektrik-Elektronik Dergisi, no.201, pp.112-124, 2011 (Peer-Reviewed Journal)
- VI. **Üç Fazlı Sistemler için IEEE Standart 1459 2000 e Uygun Yeni Bir Ark Arızası Algılama Metodunun Simülasyonla Analizi**  
HOCAOĞLU M. H., KARACASU Ö.  
3e-Electrotech Enerji-Elektrik-Elektronik Dergisi, no.201, pp.102-112, 2011 (Peer-Reviewed Journal)
- VII. **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)
- VIII. **A New PV Node Modelling for Distribution Systems Power Flow Algorithms**  
EMİNOĞLU U., HOCAOĞLU M. H.  
International Journal of Distributed Energy Resources Volume 6 Number 1 (2010) Pages 1 - 17 Manuscript received: 22. September 2008 International Journal of Distributed Energy Resources, vol.6, no.1, pp.1-18, 2010 (Peer-Reviewed Journal)
- IX. **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)
- X. **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)
- XI. **Yüksek Gerilim Tesislerinde Topraklama**  
HOCAOĞLU M. H.  
Endüstri&Otomasyon Dergisi, no.46, pp.26-27, 2001 (Peer-Reviewed Journal)

## Books

- I. **Modelling, analysis, and improvement of energy consumption in data centres via demand side management**  
Takçı M. T., Gözel T., Hocaoglu M. H.  
in: Energy Efficiency of Modern Power and Energy Systems, SHADY H.E. ABDEL ALEEM, MURAT ERHAN BALCI, MUHYADDIN JAMAL HOSIN RAWA, Editor, Elsevier, Amsterdam, pp.73-99, 2024
- II. **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

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Investigation into the Performance of Impedance-Based Fault Location Algorithms in Medium Voltage Distribution Networks using COMTRADE Data**  
ATSEVER M. B., HOCAOĞLU M. H., Mesci N., Şimşek İ., Can E., Yıldız A.  
2024 15th National Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 November 2024, (Full Text)
- II. **EMTP-ATP Draw Based Model for Performance Evaluation of Onsite Partial Discharge Measurement for Underground XLPE Cables**  
ATSEVER M. B., HOCAOĞLU M. H., YARKAN S., Deveci U., Yüzgüleç S., Mesci N., Yılmaz S. C.  
2024 3rd International Conference on Power Systems and Electrical Technology (PSET), Tokyo, Japan, 5 - 08 August 2024, (Full Text)
- III. **Onsite Partial Discharge Detection and Location System for Underground Cables Using USRP-Based Measurement System**  
Atsever M. B., Boyacı A., Yarkan S., Hocaoglu M. H.  
2024 6th Global Power, Energy and Communication Conference (GPECOM), Budapest, Hungary, 04 June 2024, (Full Text)
- IV. **A Predictive Maintenance Approach for Non-Effectively Earthed Radial Distribution Networks**  
Atsever M. B., Hocaoglu M. H., Deveci U., Yılmaz S. C.

11th International Conference On Electrical And Electronics Engineering (ICEEE 2024), Muğla, Turkey, 22 - 25 April 2024, (Full Text)

- V. **EMTP-ATP Draw Modelling for Partial Discharge Detection and Location System for Underground Cables**  
ATSEVER M. B., HOCAOĞLU M. H., Yüzcüleç 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, (Summary Text)
- VI. **OPTIMAL OVERCURRENT RELAY COORDINATION IN DISTRIBUTION NETWORKS USING PATH FINDER ALGORITHM**  
ATSEVER M. B., HOCAOĞLU M. H.  
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 04 December 2023, (Full Text)
- VII. **Time Characteristic Curve Based Earth Fault Relay Selectivity Assessment for Optimal Overcurrent Relay Coordination in Distribution Networks**  
Atsever M. B., Hocaoglu M. H.  
57th International Universities Power Engineering Conference: Big Data and Smart Grids, UPEC 2022, İstanbul, Turkey, 30 August - 02 September 2022, (Full Text)
- VIII. **Zero-Sequence Based Fault Location in Non-Effectively Earthed Distribution Systems**  
Atsever M. B., Deveci U., Yılmaz 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, (Full Text)
- IX. **Optimal Overcurrent Relay Coordination Using Grey Wolf Optimizer**  
ATSEVER M. B., HOCAOĞLU M. H.  
3rd International Turkish World Engineering and Science Congress, Turkey, 22 November 2021, pp.127-134, (Full Text)
- X. **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, (Full Text)
- XI. **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, (Full Text)
- XII. **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, (Full Text)
- XIII. **Earth Fault Protection Selectivity Issues on Reactance Earthed Distribution System**  
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