

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AEY-7615-2022

ScopusID: 24780863900

Yoksis Researcher ID: 118381

## Education Information

Post Doctorate, University of New Brunswick: Fredericton Campus, Faculty Of Engineering, Department Of Electrical And Computer Engineering, Canada 2014 - 2015

Doctorate, Karadeniz Technical University, -, Elektrik-Elektronik Mühendisliği, Turkey 2007 - 2012

Postgraduate, Karadeniz Technical University, -, Elektrik-Elektronik Mühendisliği, Turkey 2003 - 2006

Undergraduate, Gazi University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 1998 - 2003

## Foreign Languages

English, B1 Intermediate

## Dissertations

Doctorate, An intelligent controlled novel power conditioning for wave energy converter systems, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Electrical and Electronics Engineering, 2012

Postgraduate, The control of linear induction motor with the fuzzy logic, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Electrical and Electronics Engineering, 2006

Postgraduate, Sensorless BLDC Control of Permanent Magnet Axial Flux Motor, Universiteit Gent, Faculty of Engineering and Architecture, Department of Electrical Energy, Systems and Automation (EESA), 2006

## Research Areas

Electrical and Electronics Engineering, Energy, Power System Analysis, Generating Stations and Plants, Electric Power Transmission, Distribution and Protection, Protection Systems, Renewable energy, High Voltage Technique, Power Electronics, Electric Motor Drivers, Power Converters, Power Quality, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2018 - Continues  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2018 - 2018  
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2014 - 2018  
Lecturer PhD, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2012 - 2014  
Lecturer, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2011 - 2012  
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2003 - 2011

## Academic and Administrative Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2018 - Continues  
Kamu, Üniversite ve Sanayici İşbirliği (KÜSİ) Trabzon Temsilcisi, Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik, 2016 - 2017  
Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2016 - 2017  
Karadeniz Technical University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2014 - 2014

## Courses

Güç Sistemleri, Undergraduate, 2021 - 2022  
Final Project, Undergraduate, 2021 - 2022  
Güç Sistemlerinin Tasarımı, Undergraduate, 2021 - 2022  
Teknolojik Gelişmeler, Undergraduate, 2021 - 2022  
Mühendislik Tasarımı, Undergraduate, 2021 - 2022  
Yüksek Lisans Tezi, Postgraduate, 2021 - 2022  
Lighting Technique, Undergraduate, 2021 - 2022  
Aydınlatma Tekniği, Undergraduate, 2017 - 2018, 2016 - 2017  
Yüksek Gerilim Tekniği, Undergraduate, 2017 - 2018  
Yüksek Gerilim Güç Sistem Tasarımı, Undergraduate, 2016 - 2017  
Yenilenebilir Enerji ve Güç Dönüştürücüleri, Postgraduate, 2016 - 2017  
Bitirme Çalışması, Undergraduate, 2016 - 2017  
Mühendislik Tasarımı, Undergraduate, 2017 - 2018  
Aydınlatma Tekniği, Undergraduate, 2017 - 2018  
Elektrik Elektronik Müh. Temelleri, Undergraduate, 2016 - 2017  
Tasarım Projesi, Undergraduate, 2016 - 2017  
Yüksek Gerilim Güç Sistem Tasarımı, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Mühendislik Etiği, Undergraduate, 2015 - 2016  
Yüksek Gerilim Güç Sistem Tasarımı, Doctorate, 2016 - 2017  
Yenilenebilir Enerji ve Güç Dönüştürücüleri , Postgraduate, 2015 - 2016  
Bitirme Çalışması, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Yüksek Gerilim Tekniği, Undergraduate, 2015 - 2016  
Tasarım Projesi, Undergraduate, 2015 - 2016, 2013 - 2014, 2012 - 2013  
Aydınlatma Tekniği, Undergraduate, 2015 - 2016  
Kontrol ve Sürücü Sistemleri Lab.-II, Undergraduate, 2013 - 2014, 2012 - 2013  
Aydınlatma Tekniği, Undergraduate, 2013 - 2014, 2012 - 2013  
Kontrol ve Sürücü Sistemleri Lab.-I, Undergraduate, 2013 - 2014, 2012 - 2013  
Güç Sistemlerinde Koruma, Undergraduate, 2012 - 2013  
Elektrik Devreleri, Undergraduate, 2012 - 2013

## Advising Theses

Özkop E., Investigation of reactive power generation capability of H6-II type transformerless inverter with different modulation methods, Postgraduate, P.TÜRKMEN(Student), 2022

Özkop E., A comparative analysis of modulation techniques in multilevel inverter for pv applications, Postgraduate, N.ÇAVLI(Student), 2021

Özkop E., A single phase standalone transformerless H5 inverter application, Postgraduate, H.MOLLAHASANOĞLU(Student), 2020

## Jury Memberships

Doctorate, Doctorate, Ondokuz Mayıs Üniversitesi, November, 2021

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2021

Doctorate, Doctorate, Karabük Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, January, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, January, 2021

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2020

Doctorate, Doctorate, Ankara Yıldırım Beyazıt Üniversitesi, September, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, July, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, July, 2020

Doctoral Examination, Doctoral Examination, Ondokuz Mayıs Üniversitesi, June, 2020

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, January, 2019

Post Graduate, Post Graduate, Ondokuz Mayıs Üniversitesi, January, 2019

## Designed Lessons

Özkop E., Dağıtık Üretim Sistemleri, Undergraduate, 2022 - 2023

Özkop E., Teknolojik Gelişmeler, Undergraduate, 2020 - 2021

Özkop E., Yenilenebilir Enerji ve Güç Dönüş., Doctorate, 2015 - 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. The Analysis and Modeling of Voltage Survivability in Power Systems

Saleh S., Betancourt O., ÖZKOP E., Ahshan R., Zundel E., Sanchez Z., Meng J.

IEEE Transactions on Industry Applications, vol.60, no.3, pp.4654-4665, 2024 (SCI-Expanded)

### II. Performance Analysis of Modulation Strategies in Single-Phase HBNPC Inverter Across Variable Operating Conditions

Cavli N., Özkop E.

IEEE ACCESS, vol.12, pp.65997-66013, 2024 (SCI-Expanded)

- III. **Comparative study of single-phase multilevel cascaded transformerless inverters with different modulation methods**  
Mollahasanoglu H., Mollahasanoglu M., Özkop E.  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.51, 2024 (SCI-Expanded)
- IV. **A Survey on Direct Load Control Technologies in the Smart Grid**  
ÖZKOP E.  
IEEE Access, vol.12, pp.4997-5053, 2024 (SCI-Expanded)
- V. **On the Assessment of Sampling Rate Impacts on Responses of Digital Protective Relays**  
Saleh S., ÖZKOP E., Al-Durra A., Hill T., Meng J., Valdes M.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.59, no.5, pp.5420-5431, 2023 (SCI-Expanded)
- VI. **Effects of Sampled-Values Data Quality on Responses of Time-Frequency Based Digital Relays**  
Saleh S., ÖZKOP E., Al-Durra A., Hill T., Meng J., Valdes M.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.59, no.5, pp.5443-5452, 2023 (SCI-Expanded)
- VII. **Survivability-Based Protection for Electric Motor Drive Systems-Part II: Three Phase Permanent Magnet Synchronous Motor Drives**  
Saleh S., ÖZKOP E., Nahid-Mobarakeh B., Rubaai A., Muttaqi K., Pradhan S.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.59, no.3, pp.2760-2771, 2023 (SCI-Expanded)
- VIII. **Experimental Performance Evaluation of the  $\alpha\beta 0$ -Based Bus Differential Protection**  
Saleh S., ÖZKOP E., Ahshan R., Al-Durra A., Valdes M., Mardegan C.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.59, no.3, pp.2919-2931, 2023 (SCI-Expanded)
- IX. **Experimental Assessment of Ground Fault Protection in Frequency-Selective Grounded Systems Fed by a Single Transformer**  
Saleh S. A., ÖZKOP E., Valdes M. E., Yuksel A., Jewett D., Al-Durra A., Meng J., Panetta S. A. R.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.59, no.2, pp.2374-2385, 2023 (SCI-Expanded)
- X. **On the Factors Affecting Battery Unit Contributions to Fault Currents in Grid-Connected Battery Storage Systems**  
Saleh S. A., Ozkop E., Valdes M. E., Yuksel A., Haj-Ahmed M., Sanchez Z. G., Mardegan C. S.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.58, no.3, pp.3019-3028, 2022 (SCI-Expanded)
- XI. **Survivability-Based Protection for Electric Motor Drive Systems-Part I: 3 Induction Motor Drives**  
Saleh S. A. M., ÖZKOP E., AYAS M. Ş., Muttaqi K. M., Nahid-Mobarakeh B.  
IEEE Transactions on Industry Applications, vol.58, pp.1797-1808, 2022 (SCI-Expanded)
- XII. **Ground Fault Protection in Frequency-Selective Grounded Systems Fed by a Single Transformer**  
Saleh S., Jewett D., Meng J., Valdes M., ÖZKOP E., Yuksel A., Al-Durra A., Panetta S.  
IEEE Transactions on Industry Applications, 2022 (SCI-Expanded)
- XIII. **Survivability-Based Protection for Three Phase Permanent Magnet Synchronous Motor Drives**  
Saleh S., ÖZKOP E., Nahid-Mobarakeh B., Pradhan S., Rubaai A., Muttaqi K.  
IEEE Transactions on Industry Applications, 2022 (SCI-Expanded)
- XIV. **Digital Differential Protection for 3 phi Solid-State Transformers**  
Saleh S. A., ÖZKOP E.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.57, no.4, pp.3474-3486, 2021 (SCI-Expanded)
- XV. **Testing a Bus-Differential Protection for Buses Interconnecting Battery Storage Systems**  
Saleh S. A., ÖZKOP E., Mardegan C. S., Valdes M. E.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.57, no.4, pp.3511-3521, 2021 (SCI-Expanded)
- XVI. **Testing the Frame-Angle-Based Direct Torque Control for 3 phi Induction Motor Drives**  
Saleh S. A., Özkop E., Rubaai A.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.57, no.3, pp.2918-2930, 2021 (SCI-Expanded)
- XVII. **Testing the Performance of a dq0 Phaselet Transform Based Digital Differential Protection for 3 phi Converter Transformers**  
Saleh S. A. M., Özkop E., St-Onge X. F., Richard C.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.56, no.6, pp.6258-6271, 2020 (SCI-Expanded)

- XVIII. **Employing Fault Currents in the Reliability Analysis of Motor Drives**  
Saleh S. A., Özkop E., Ayas M. Ş., Boileau T., Nahid-Mobarakeh B.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.56, pp.4521-4531, 2020 (SCI-Expanded)
- XIX. **Selecting Locations and Sizes of Battery Storage Systems Based on the Frequency of the Center of Inertia and Principle Component Analysis**  
Saleh S. A., ÖZKOP E., Meng R. J., Sanchez Z. G., Betancourt O. A. A.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.56, no.2, pp.1040-1051, 2020 (SCI-Expanded)
- XX. **Developing and Testing a Unit-Commitment-Based Controller of Bus-Split Aggregated Residential Electric Water Heaters**  
Saleh S. A., ÖZKOP E., Castillo-Guerra E., Pijnenburg P. C.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.56, no.2, pp.1124-1135, 2020 (SCI-Expanded)
- XXI. **Design and Testing of a Frequency-Selective Grounding for 3 phi Power Transformers**  
Saleh S. A., Onge X. F. S., Richard C., ÖZKOP E., Panetta S. A. R.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.56, no.1, pp.74-87, 2020 (SCI-Expanded)
- XXII. **Solid-State Transformers for Distribution Systems-Part II: Deployment Challenges**  
Saleh S. A., ÖZKOP E., Alsayid B., Richard C., St Onge X. F., McDonald K. M., Chang L.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.55, no.6, pp.5708-5716, 2019 (SCI-Expanded)
- XXIII. **Solid-State Transformers for Distribution Systems-Part I: Technology and Construction**  
Saleh S. A. M., Richard C., St Onge X. F., McDonald K. M., ÖZKOP E., Chang L., Alsayid B.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.55, no.5, pp.4524-4535, 2019 (SCI-Expanded)
- XXIV. **Multistage and Multilevel Power Electronic Converter-Based Power Supply for Plasma DBD Devices**  
Saleh S. A., Allen B., ÖZKOP E., Colpitts B. G.  
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.65, no.7, pp.5466-5475, 2018 (SCI-Expanded)
- XXV. **Performance of Multiframe Digital Interconnection Protection for Distributed Cogeneration Systems**  
Saleh S. A., Meng R., McSheffery R., Buck S. E., ÖZKOP E.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.54, no.2, pp.1166-1181, 2018 (SCI-Expanded)
- XXVI. **Phaselet-Based Method for Detecting Electric Faults in 3 phi Induction Motor Drives-Part II: Performance Evaluation**  
Saleh S. A., ÖZKOP E.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.53, no.3, pp.2988-2996, 2017 (SCI-Expanded)
- XXVII. **Phaselet-Based Method for Detecting Electric Faults in 3 phi Induction Motor Drives-Part I: Analysis and Development**  
Saleh S. A., ÖZKOP E.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.53, no.3, pp.2976-2987, 2017 (SCI-Expanded)
- XXVIII. **On the Experimental Performance of a Coordinated Antiislanding Protection for Systems With Multiple DGUs**  
Saleh S. A., Aljankawey A. S., ÖZKOP E., Meng R.  
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.32, no.2, pp.1106-1123, 2017 (SCI-Expanded)
- XXIX. **Control, power and electrical components in wave energy conversion systems: A review of the technologies**  
ÖZKOP E., ALTAŞ İ. H.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.67, pp.106-115, 2017 (SCI-Expanded)
- XXX. **The Development of a Coordinated Anti-Islanding Protection for Collector Systems With Multiple Distributed Generation Units**  
Saleh S. A., ÖZKOP E., Aljankawey A. S.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.52, no.6, pp.4656-4667, 2016 (SCI-Expanded)
- XXXI. **Performance of the Phaselet Frames-Based Digital Protection for Distributed Generation Units**  
Saleh S. A. M., ÖZKOP E., Aljankawey A. S.  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.52, no.3, pp.2095-2109, 2016 (SCI-Expanded)
- XXXII. **An adaptive fuzzy PI controlled bus quantity enhancer for wave energy systems**  
ÖZKOP E., Sharaf A. M., ALTAŞ İ. H.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.24, no.4, pp.2454-2469, 2016  
(SCI-Expanded)

XXXIII. **A Virtual Electric Power Transmission Line Lab**

ÖZKOP E.

INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.32, no.5, pp.2240-2249, 2016 (SCI-Expanded)

XXXIV. **A fuzzy logic sliding mode controlled electronic differential for a direct wheel drive EV**

ÖZKOP E., ALTAŞ İ. H., OKUMUŞ H. İ., Sharaf A. M.

INTERNATIONAL JOURNAL OF ELECTRONICS, vol.102, no.11, pp.1919-1942, 2015 (SCI-Expanded)

XXXV. **A Novel Control Algorithm for Self Adjusting Dynamic Voltage Stabilization Scheme**

Özkop E., Sharaf A. M., ALTAŞ İ. H.

ELEKTRONIKA IR ELEKTROTEHNIKA, vol.20, no.3, pp.33-38, 2014 (SCI-Expanded)

XXXVI. **A Virtual PV Systems Lab for Engineering Undergraduate Curriculum**

Özkop E., ALTAŞ İ. H.

INTERNATIONAL JOURNAL OF PHOTOENERGY, 2014 (SCI-Expanded)

XXXVII. **A novel switched power filter-green plug (SPF-GP) scheme for wave energy systems**

ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.

RENEWABLE ENERGY, vol.44, pp.340-358, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Experimental and Simulated Investigation of a Single-Phase Transformerless H5 Inverter Topology**  
Mollahasanoğlu H., Özkop E.  
Jordan Journal of Electrical Engineering, vol.10, no.1, pp.103-121, 2024 (ESCI)
- II. **Control of single phase grid connected transformerless PV inverter system**  
Yuksel A., ÖZKOP E.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.25, no.2, pp.143-150, 2019 (ESCI)
- III. **Performance of PSO Based Classical and Intelligent Controllers for Water Level Control of a Steam Generator**  
Özkop E., Altaş İ. H.  
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.19, no.57, pp.835-844, 2017 (Peer-Reviewed Journal)
- IV. **A Self Adjustable FACTS Device and Controller for Distribution Systems**  
ÖZKOP E., ALTAŞ İ. H., Sharaf A.  
AFYON KOCATEPE ÜNİVERSİTESİ FEN VE MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.17, no.1, pp.131-137, 2017 (Peer-Reviewed Journal)
- V. **Görsel Temel Elektrik Devreleri Eğitim Seti**  
Altun Z., Tural M. E., Durmuş E. C., Çamyar A., Ünal İ., ÖZKOP E.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.250, pp.160-162, 2015 (Peer-Reviewed Journal)
- VI. **Akıllı Şebeke: Doğrudan Yük Kontrol Yöntemi Örneği**  
ÖZKOP E., Chang L.  
Otomasyon, no.274, pp.180-184, 2015 (Peer-Reviewed Journal)
- VII. **Rüzgâr ve Dalga Enerjisi Potansiyelinin Belirlenmesi**  
Öz T., Aytekin A., Kahrıman M., Arıkan K. C., ÖZKOP E.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.249, pp.174-178, 2015 (Peer-Reviewed Journal)
- VIII. **Korumanın Tarihi ve Dijital Çağ**  
ÖZKOP E., Aljankawey A. S.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.249, pp.138-140, 2015 (Peer-Reviewed Journal)
- IX. **İnsansız Elektrikli Bisiklet Tasarımı**  
Tezcan U., Tatar E., Kuloğlu G., Karabıyık F., ÖZKOP E.

- 3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.249, pp.152-156, 2015 (Peer-Reviewed Journal)
- X. **Yaklaşan İnsansız Araç Çağı-İnsansız Su Altı Aracı**  
Genç D., Doğru D., Doğan E., Terzi M. E., Gedikli M., Peker S., CORA A., ÖZKOP E.  
Otomasyon, no.254, pp.209-211, 2013 (Peer-Reviewed Journal)
- XI. **Elektrikli Araç-Bisiklet**  
Özler E., Şahin S., Deniz T., Karakaş B., ÖZKOP E.  
Otomasyon, no.250, pp.380-382, 2013 (Peer-Reviewed Journal)
- XII. **Ev Otomasyonu-Akılları Nerede?**  
Yılmaz M. G., Kodan Ş., Taşar U., Er Y., ÖZKOP E.  
Otomasyon, no.250, pp.344-346, 2013 (Peer-Reviewed Journal)
- XIII. **An Intelligent Self Adjustable Facts Device for Distribution Systems**  
ALTAŞ İ. H., Sharaf A. M., Özkop E.  
International Journal of Power Engineering & Green Technology, no.2, pp.11-26, 2011 (Peer-Reviewed Journal)
- XIV. **Güneş Enerjili Bir Aracın Modeli ve Kayan Kipli Denetimi**  
ÖZKOP E., ALTAŞ İ. H.  
Otomasyon, no.213, pp.292-295, 2010 (Peer-Reviewed Journal)
- XV. **Dalga Enerjisi Dönüşüm Sistemi Maliyeti ve Çevresel Etkileri**  
ÖZKOP E., ALTAŞ İ. H.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.189, pp.150-154, 2010 (Peer-Reviewed Journal)
- XVI. **Bir Değerlendirme: Enerji Kaynaklarının Dünü, Bugünü ve Yarını**  
ÖZKOP E., ALTAŞ İ. H.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.189, pp.262-268, 2010 (Peer-Reviewed Journal)
- XVII. **Yenilenebilir Enerji Kaynakları ve Bir Dalga Enerji Dönüştürücü DA Enerji Kullanım Çiftliği Uygulaması**  
ÖZKOP E., ALTAŞ İ. H.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.177, pp.132-140, 2009 (Peer-Reviewed Journal)
- XVIII. **Güneş Enerjili Bir Aracın Modellenmesi ve Denetimi**  
ALTAŞ İ. H., ÖZKOP E., Sharaf A. M.  
Otomasyon, no.193, pp.204-208, 2008 (Peer-Reviewed Journal)
- XIX. **Dalga Enerjisi: Dünü, Bugünü ve Yarını**  
ÖZKOP E., ALTAŞ İ. H.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.167, pp.154-160, 2008 (Peer-Reviewed Journal)
- XX. **Test ve Ölçüm Cihazlarının Bilgisayar ile Haberleşmesini Sağlayan İletişim (3)**  
CORA A., ÖZKOP E.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.167, pp.116-120, 2008 (Peer-Reviewed Journal)
- XXI. **Test ve Ölçüm Cihazlarının Bilgisayar ile Haberleşmesini Sağlayan İletişim (2)**  
CORA A., ÖZKOP E.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.166, pp.172-176, 2008 (Peer-Reviewed Journal)
- XXII. **Test ve Ölçüm Cihazlarının Bilgisayar ile Haberleşmesini Sağlayan İletişim**  
CORA A., ÖZKOP E.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.165, pp.222-226, 2008 (Peer-Reviewed Journal)
- XXIII. **Yenilenebilir Enerji Kaynakları ve Bir Rüzgâr Enerji Üretim Sisteminde Gerilim ve Güç Kalitesinin Artırılması**  
ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.  
3e-Electrotech (Enerji, Elektrik, Elektromekanik), no.165, pp.176-182, 2008 (Peer-Reviewed Journal)
- XXIV. **Test ve Ölçüm Cihazlarının Bilgisayar ile Haberleşmesini Sağlayan İletişimi**  
CORA A., ÖZKOP E.  
3e-Electrotech, no.165, pp.222-226, 2008 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **A Novel Multi-loop Control Algorithm for a Hybrid PV Energy Farm**  
Sharaf A., ALTAŞ İ. H., ÖZKOP E.  
in: Renewable Energy: Selected Issues Volume I, Manuel Pérez-Donsión, Silvano Vergura, Gianpaolo Vitale, Editor, Cambridge Scholars Publishing, pp.379-401, 2016
- II. **INISTA 2009 International Symposium on INnovations in Intelligent SysTems and Applications**  
Özkop E. (Editor)  
Karadeniz Teknik Üniversitesi, Trabzon, 2009

## Refereed Congress / Symposium Publications in Proceedings

- I. **Assessment of Sampled-Values Data Quality on Responses of Time-Frequency Based Digital Relays**  
Saleh S., Meng J., Özkop E., Valdes M., Hill T., Al-Durra A.  
59th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2023, Nevada, United States Of America, 21 - 25 May 2023, vol.2023-May
- II. **Impacts of the Sampling Rate on Responses of Digital Protective Relays**  
Saleh S., Meng J., Özkop E., Valdes M., Hill T., Al-Durra A.  
59th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2023, Nevada, United States Of America, 21 - 25 May 2023, vol.2023-May
- III. **Voltage Survivability in Power Systems**  
Saleh S., Betancourt O., Zundel E., Meng J., Özkop E., Ahshan R., Sanchez Z.  
2023 IEEE Industry Applications Society Annual Meeting, IAS 2023, Tennessee, United States Of America, 29 October - 02 November 2023
- IV. **Ground Fault Protection in Frequency-Selective Grounded Systems Fed by a Single Transformer**  
Saleh S., Jewett D., Meng J., Valdes M., Özkop E., Yuksel A., Al-Durra A., Panetta S.  
2022 IEEE Industry Applications Society Annual Meeting (IAS), Michigan, United States Of America, 9 - 14 October 2022, pp.1-8
- V. **Performance Assessment of the  $\alpha\beta$ -Based Bus Differential Protection**  
Saleh S., ÖZKOP E., Ahshan R., Al-Durra A., Valdes M., Mardegan C.  
58th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2022, Nevada, United States Of America, 2 - 05 May 2022, vol.2022-May
- VI. **Survivability-Based Protection for Three Phase Permanent Magnet Synchronous Motor Drives**  
Saleh S., ÖZKOP E., Nahid-Mobarakeh B., Rubaai A., Muttaqi K., Pradhan S.  
2022 IEEE Industry Applications Society Annual Meeting, IAS 2022, Michigan, United States Of America, 9 - 14 October 2022, vol.2022-October
- VII. **Bus Differential Protection for Buses Interconnecting Battery Storage Systems**  
Saleh S. A., Özkop E., Mardegan C., Valdes M. E.  
2021 IEEE/IAS 57th Industrial and Commercial Power Systems Technical Conference (I&CPS), Nevada, United States Of America, 27 - 30 April 2021, pp.1-8
- VIII. **H6-II Type Inverter and Modulation Technique**  
Türkmen P., Özkop E.  
5th International Congress on Engineering and Technology Management, İstanbul, Turkey, 24 - 25 April 2021, pp.62-67
- IX. **Simulation Investigation for SPWM and THIPWM Technique for Five Level H-Bridge Diode Clamped Inverter**  
Çavli N., Özkop E.  
2nd International Conference on Access to Recent Advances in Engineering and Digitalization, ARACONF 2021, Kayseri, Turkey, 10 - 12 March 2021, pp.202-211
- X. **Factors Affecting Battery Unit Contributions to Fault Currents in Grid-connected Battery Storage**



## Systems

Saleh S. A., ÖZKOP E., Valdes M., Yuksel A., Haj-Ahmed M., Sanchez S. G., Mardegan C.

Annual Meeting of the IEEE-Industry-Applications-Society (IAS), Vancouver, Canada, 10 - 14 October 2021

- XI. **Survivability-Based Protection for 3 phi Induction Motor Drives**  
Saleh S. A., ÖZKOP E., AYAS M. Ş., Muttaqi K. M., Nahid-Mobarakeh B.  
Annual Meeting of the IEEE-Industry-Applications-Society (IAS), Vancouver, Canada, 10 - 14 October 2021
- XII. **Frame-Angle-Based Direct Torque Control for 3φ Induction Motor Drives**  
Saleh S. A., Özkop E., Rubaai A.  
2020 IEEE Industry Applications Society Annual Meeting, Michigan, United States Of America, 10 - 16 October 2020, pp.1-9
- XIII. **ANSI 87T-Based Differential Protection of 3φ Solid-State Transformers**  
Saleh S. A., Özkop E.  
2020 IEEE Industry Applications Society Annual Meeting, Michigan, United States Of America, 10 - 16 October 2020, pp.1-9
- XIV. **Dq0 PHT-Based Digital Differential Protection for 3φ Converter Transformers**  
Saleh S., Onge X., Richard C., ÖZKOP E.  
2019 IEEE Industry Applications Society Annual Meeting, IAS 2019, Maryland, United States Of America, 29 September - 03 October 2019
- XV. **The Selection of Locations and Sizes of Battery Storage Systems Using the Principle Component Analysis and Center-of-Inertia**  
Saleh S., Meng R., Sanchez Z., Betancourt O., ÖZKOP E.  
2019 IEEE Industry Applications Society Annual Meeting, IAS 2019, Maryland, United States Of America, 29 September - 03 October 2019
- XVI. **Unit Commitment-Based Control of Bus-Split Aggregated Electric Water Heaters**  
Saleh S., Castillo-Guerra E., Pijnenburg P., ÖZKOP E.  
2019 IEEE Industry Applications Society Annual Meeting, IAS 2019, Maryland, United States Of America, 29 September - 03 October 2019
- XVII. **Solid-state transformers for distribution systems: Technology, performance, and challenges**  
Saleh S., Richard C., St Onge X., McDonald K., Ozkop E., Chang L., Alsayid B.  
55th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2019, Calgary, Canada, 5 - 08 May 2019
- XVIII. **Frequency-selective grounding for 3φ power transformers**  
Saleh S., St Onge X., Richard C., Ozkop E., Panetta S.  
55th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2019, Calgary, Canada, 5 - 08 May 2019
- XIX. **Elektrikli Su Isıtıcısının Çalışma Yükünün Müdahaleci Olmayan Yük İzleme Algoritması ile Ayrıştırılması**  
Özer P. Ö., ÖZKOP E.  
II. Uluslararası Bilim ve Akademi Kongresi'19, Kocaeli, Turkey, 19 - 20 April 2019, vol.2, pp.388-397
- XX. **Tek Fazlı Şebeke Bağlantılı Transformatörsüz H5 Evirici Denetimi**  
Mollahasanoğlu H., ÖZKOP E.  
II. Uluslararası Bilim ve Akademi Kongresi'19, Konya, Turkey, 19 - 20 April 2019, vol.2, pp.131-136
- XXI. **Unit Commitment-Based Control of Bus-Split Aggregated Electric Water Heaters**  
Saleh S. A., Castillo-Guerra E., Pijnenburg P., Ozkop E.  
54th IEEE-Industry-Applications-Society (IEEE IAS) Annual Meeting, Maryland, United States Of America, 29 September - 03 October 2019
- XXII. **The Selection of Locations and Sizes of Battery Storage Systems Using the Principle Component Analysis and Center-of-Inertia**  
Saleh S. A., Meng R. J., Sanchez Z. G., Betancourt O. A., Ozkop E.  
54th IEEE-Industry-Applications-Society (IEEE IAS) Annual Meeting, Maryland, United States Of America, 29 September - 03 October 2019

- XXIII. **Impacts of grounding and winding configurations on voltage harmonics in 3 power transformers**  
Saleh S., Onge X. F. S., Richard C., Ozkop E., McDonald K., Panetta S.  
54th IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2018, Niagara Falls, Canada, 7 - 10 May 2018, pp.1-9
- XXIV. **Control of Transformerless Inverter in Standalone Photovoltaic MPPT Systems**  
Yuksel A., ÖZKOP E.  
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1419-1423
- XXV. **A new interconnection protection for co-generation systems**  
Saleh S., Meng R., McSheffery R., Buck S., ÖZKOP E.  
52nd Annual Meeting on IEEE Industry Application Society, IAS 2016, Oregon, United States Of America, 2 - 06 October 2016
- XXVI. **The development and testing of a coordinated anti-islanding protection for collector systems with multiple distributed generation units**  
Saleh S., Ozkop E., Aljankawey A.  
52nd IEEE/IAS Industrial and Commercial Power Systems Technical Conference, I and CPS 2016, Michigan, United States Of America, 1 - 05 May 2016
- XXVII. **A Single Phase Standalone Photovoltaic System with HERIC Inverter Control**  
Yuksel A., Özkop E.  
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.373-376
- XXVIII. **Developing and testing phaselet frames-based digital protection for distributed generation units**  
Saleh S., Ozkop E., Aljankawey A.  
51st Annual Meeting on IEEE Industry Application Society, IAS 2015, Texas, United States Of America, 11 - 22 October 2015
- XXIX. **Dalga Enerjisi Dönüşüm Sistemi için Anahtarlama Güç Filtresi ve Denetleyici Tasarımı**  
ŞAHİN E., ALTAŞ İ. H., ÖZKOP E.  
Otomatik Kontrol Ulusal Toplantısı, TOK2015, Denizli, Turkey, 10 - 12 September 2015, pp.899-904
- XXX. **Dalga Enerji Sisteminden Beslenen bir DA Motorunun Hız Kontrolü için Denetleyici Parametrelerinin PSO ile Optimizasyonu**  
ŞAHİN E., ÖZKOP E., ALTAŞ İ. H.  
Otomatik Kontrol Ulusal Toplantısı, TOK2013, Kütahya, Turkey, 26 - 28 September 2013, pp.483-487
- XXXI. **Load Frequency Control in Four Area Power Systems Using Fuzzy Logic PI Controller**  
ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.  
16th National Power Systems Conference, NPSC-2010, Hyderabad, India, 15 - 17 December 2010, pp.233-236
- XXXII. **A Novel Switched Power Filter-Green Plug (SPF-GP) Fuzzy Logic Controller for Photovoltaic-Battery Renewable Energy System**  
ALTAŞ İ. H., ÖZKOP E., Sharaf A. M.  
International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2010), Kayseri, Turkey, 21 - 24 June 2010, pp.234-238
- XXXIII. **A Novel Active Filter Strategy for Power Mitigation and Quality Enhancements in a Stand-Alone WECS**  
Altaş İ. H., Özkop E., Sharaf A. M.  
6th International Conference on Electrical and Electronics Engineering (ELECO 2009), Bursa, Turkey, 5 - 08 November 2009, pp.88-91
- XXXIV. **A novel fuzzy logic tansigmoid controller for wave energy converter-grid interface DC energy utilization farm**  
Özkop E., Altaş İ. H., Sharaf A.  
2009 Canadian Conference on Electrical and Computer Engineering, CCECE '09, St. Johns, NL, Canada, 3 - 06 May 2009, pp.1184-1187
- XXXV. **A Fuzzy Logic Sliding Mode Controller for a Battery Powered Electric Vehicle**

ÖZKOP E., Sharaf A. M., ALTAŞ İ. H.

International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2009), Trabzon, Turkey, 29 June - 01 July 2009, pp.53-57

**XXXVI. A Novel Multi-loop Fuzzy Logic Dynamic Controller for Wave/Photovoltaic-Grid Interface DC Energy Utilization Farm**

ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.

International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2009), Trabzon, Turkey, 29 June - 01 July 2009, pp.517-521

**XXXVII. A Novel PV-Powered Standalone Village Electricity Utilization Fuzzy Logic Dynamic Controller Strategy**

Altaş İ. H., Özkop E., Sharaf A. M.

International Symposium on INnovations in Intelligent SysTems and Applications (INISTA 2009), Trabzon, Turkey, 29 June - 01 July 2009, pp.47-52

**XXXVIII. A Novel Multi-loop Fuzzy Logic Dynamic Controller for Wind/Photovoltaic-Grid Interface DC Energy Utilization Farm**

Sharaf A. M., ALTAŞ İ. H., ÖZKOP E.

International Conference on Renewable Energies and Power Quality (ICREPQ'09), Valencia, Spain, 15 - 17 April 2009, pp.1-6

**XXXIX. A Novel Multi-Loop PID Controller for Photovoltaic-Grid Interface DC Energy Utilization Farm**

Sharaf A. M., ALTAŞ İ. H., ÖZKOP E.

International Conference on Renewable Energies and Power Quality (ICREPQ'09), Valencia, Spain, 15 - 17 April 2009, pp.1-6

**XL. Ayırık Çift Tekerlekten Tahrikli Elektrikli Araçlar için Bulanık Mantık Denetimli Elektronik Diferansiyel Sistemi**

ÖZKOP E., OKUMUŞ H. İ., ALTAŞ İ. H.

Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO2008), Bursa, Turkey, 26 - 30 November 2008, pp.233-237

**XLI. Rüzgâr/Fotovoltaik Karma Sisteminden Beslenen DA Yükler için Üç Çevrim Destekli PID Denetleyici**

ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.

Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO2008), Bursa, Turkey, 26 - 30 November 2008, pp.158-162

**XLII. Voltage and energy utilization enhancement in a stand-alone WECS using a fuzzy logic controlled PWM-switched dynamic capacitor compensation**

Sharaf A., Altas I., Ozkop E.

IEEE Canadian Conference on Electrical and Computer Engineering, CCECE 2008, Niagara Falls, ON, Canada, 4 - 07 May 2008, pp.1631-1634

**XLIII. A Novel Fuzzy Logic Dynamic Controller for Photovoltaic-Grid Interface DC Energy Utilization Farm**

ÖZKOP E., ALTAŞ İ. H., Sharaf A. M.

XVIII-International Conference on Electrical Machines (ICEM08), Vilamoura, Portugal, 6 - 09 September 2008, pp.1-5

**XLIV. A Fuzzy Logic Controlled Electronic Differential for a Direct Wheel Drive Electric Vehicle**

ÖZKOP E., OKUMUŞ H. İ., ALTAŞ İ. H.

XVIII-International Conference on Electrical Machines (ICEM08), Vilamoura, Portugal, 6 - 09 September 2008, pp.1-5

**XLV. Güç Sistemlerinde Bulanık Mantık Denetleyicili Yük Frekans Kontrolü**

ÖZKOP E., ALTAŞ İ. H.

Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, ASYU 2008, Isparta, Turkey, 19 - 20 June 2008, pp.246-249

**XLVI. Direct Torque Control of Induction Motor Using Space Vector Modulation (SVM-DTC)**

ÖZKOP E., OKUMUŞ H. İ.

12th International Middle East Power Systems Conference, MEPCON'2008, Aswan, Egypt, 12 - 15 March 2008,

pp.368-372

- XLVII. **Voltage and Energy Utilization Enhancement in a Stand-alone WECS Using a Fuzzy Logic Controlled SPWM Converter Interface Scheme**  
Sharaf A. M., ALTAŞ İ. H., ÖZKOP E.  
12th International Middle East Power Systems Conference, MEPCON'2008, Aswan, Egypt, 12 - 15 March 2008, pp.330-334
- XLVIII. **Direct Torque Control For Linear Induction Motor**  
Özkop E., Akpınar A. S., OKUMUŞ H. İ.  
12th International Middle-East Power System Conference 2008. MEPCON'08, Aswan, Egypt, 12 - 15 March 2008, pp.373-376
- XLIX. **Direct Torque Control Of Induction Motor Using Space Vector Modulation (SVM-DTC)**  
Özkop E., OKUMUŞ H. İ.  
12th International Middle- East Power System Conference 2008. MEPCON'08, Aswan, Egypt, 12 - 15 March 2008, pp.368-372
- L. **Voltage and energy utilization enhancement in a stand-alone WECS using a fuzzy logic controlled PWM-switched dynamic capacitor compensation**  
Sharaf A. M., Altas I. H., Ozkop E.  
Canadian Conference on Electrical and Computer Engineering, Niagara Falls, Canada, 4 - 07 May 2008, pp.1560-1561
- LI. **Direct Torque Control for Linear Induction Motor**  
ÖZKOP E., Akpınar A. S., Okumus H. İ.  
12th International Middle East Power System Conference, Aswan, Egypt, 12 - 15 March 2008, pp.306-309
- LII. **Direct torque control of induction motor using space vector modulation (SVM-DTC)**  
ÖZKOP E., Okumus H. İ.  
12th International Middle East Power System Conference, Aswan, Egypt, 12 - 15 March 2008, pp.310-314
- LIII. **Fuzzy Logic Control of Linear Induction Motor**  
ÖZKOP E., AKPINAR A. S.  
5th International Conference on Electrical and Electronics Engineering (ELECO 2007), Bursa, Turkey, 5 - 09 December 2007, no.1, pp.248-252
- LIV. **A hybrid photovoltaic PV array-battery powered EV-PMDC drive scheme**  
Sharaf A., Ozkop E., Altas I.  
2007 IEEE Canada Electrical Power Conference, EPC 2007, Montreal, Canada, 25 - 26 October 2007, pp.37-43
- LV. **Elektrikli Araçlar İçin Çift Çevrim Destekli DA Motor Kontrol Uygulaması**  
Sharaf A. M., ALTAŞ İ. H., ÖZKOP E.  
12. Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği Ulusal Kongresi ve Fuarı, Eskişehir, Turkey, 14 - 18 November 2007, pp.443-448
- LVI. **Bulanık Mantık Denetleyici ile Aktif Otomobil Süspansiyon Denetimi**  
ÖZKOP E., ALTAŞ İ. H.  
12. Elektrik Elektronik Bilgisayar Biyomedikal Mühendisliği Ulusal Kongresi ve Fuarı, Eskişehir, Turkey, 14 - 18 November 2007, pp.613-616
- LVII. **Asenkron Motor İçin Uyarlamalı Akı Gözlemleyici Tabanlı Hız Algılayıcısız Doğrudan Moment Kontrolü**  
Akyazı Ö., OKUMUŞ H. İ., Özkop E.  
Otomatik Kontrol Ulusal Toplantısı, TOK'07, İstanbul, Turkey, 5 - 07 September 2007, pp.580-583
- LVIII. **Doğrusal Hareketli Asenkron Motor Parametrelerinin Belirlenmesi ve Matematiksel Modellenmesi**  
ÖZKOP E., AKPINAR A. S.  
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO 2006), Bursa, Turkey, 6 - 10 December 2006, pp.84-88
- LIX. **Doğrusal Hareketli Asenkron Motorda Uç Etkilerinin İncelenmesi**  
ÖZKOP E., AKPINAR A. S.  
Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO 2006), Bursa, Turkey, 6 - 10 December 2006,

pp.89-93

**LX. Direct Torque Controlled Induction Machine with MRAS Based Stator Resistance Estimation**

Özkop E., OKUMUŞ H. İ.

4th International Conference On Electrical And Electronics Engineering, ELECO 2005, Bursa, Turkey, 7 - 11 December 2005, pp.1-5

**LXI. Bulanık Mantık Denetleyici ile Denizaltı Derinlik Kontrolü**

ÖZKOP E.

TOK05 Otomatik Kontrol Türk Milli Komitesi Otomatik Kontrol Ulusal Toplantısı, İstanbul, Turkey, 2 - 03 June 2005, pp.1-6

**LXII. Bulanık Mantık Denetleyicili Güç Sistem Uygulaması**

ÖZKOP E., ALTAŞ İ. H., AKPINAR A. S.

Elektrik-Elektronik ve Bilgisayar Mühendisliği Sempozyumu (ELECO 2004), Bursa, Turkey, 8 - 12 December 2004, pp.272-276

## Other Publications

**I. Motor Sürücüsü**

Özkop E.

Presentation, pp.1-48, 2020

**II. Motor Sürücüsü Tasarımı**

Özkop E.

Presentation, pp.1-30, 2019

**III. Elektrikli Araç için Motor Sürücü Tasarımı**

Özkop E.

Presentation, pp.1-62, 2018

## Supported Projects

ALTAŞ İ. H., KAYIKÇIOĞLU T., ÇAVDAR İ. H., ÖZKOP E., SEVİM Y., ÇAKIR O., HACIOĞLU G., YAZGAN A., KAYA H., NUROĞLU F. M., et al., Project Supported by Higher Education Institutions, ElektrikElektronik Mühendisliği Bölümü Lisans Laboratuvarları Altyapısının İyileştirilmesi, 2016 - 2017

Özkop E., Altaş İ. H., Project Supported by Higher Education Institutions, Doğu Karadeniz Bölgesinde Dalga Enerjisinden Enerji Dönüşüm Sisteminin Araştırılması, 2008 - 2011

Özkop E., Altaş İ. H., Project Supported by Higher Education Institutions, AKILLI GÜNEŞ EVİ, 2004 - 2006

## Activities in Scientific Journals

IEEE Transactions On Industry Applications, Assistant Editor/Section Editor, 2019 - Continues

International Journal of Reasoning-based Intelligent Systems, Special Issue Editor, 2013 - 2013

## Memberships / Tasks in Scientific Organizations

IEEE (Institute of Electrical and Electronics Engineers), Principal Member, 2017 - Continues, United States Of America

TÜBİTAK Efficiency Challenge Electric Vehicle (Alternatif Enerjili Araç Yarışları) Danışma ve Değerlendirme Kurulu , Member of Advisory Board, 2019 - 2020, Turkey

TÜBİTAK Efficiency Challenge Electric Vehicle (Alternatif Enerjili Araç Yarışları) Danışma ve Değerlendirme Kurulu , Member of Advisory Board, 2018 - 2019, Turkey

TÜBİTAK Efficiency Challenge Electric Vehicle (Alternatif Enerjili Araç Yarışları) Danışma ve Değerlendirme Kurulu ,

Member of Advisory Board, 2017 - 2018, Turkey

IEEE (Institute of Electrical and Electronics Engineers), Member, 2013 - 2017, United States Of America

Chamber of Electrical Engineers (EMO), Member, 2003 - 2017, Turkey

## Scientific Refereeing

Politeknik Dergisi, Journal Indexed in ESCI, August 2022

IEEE TRANSACTIONS ON POWER DELIVERY, Journal Indexed in SCI-E, July 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, June 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, June 2022

IEEE Transactions On Industry Applications, Journal Indexed in SCI-E, May 2022

IEEE Journal of Emerging and Selected Topics in Industrial Electronics, Journal Indexed in ESCI, May 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2022

Journal of the Institute of Science and Technology, Other journals, April 2022

IEEE IAS Annual Meeting, Conference Paper (Full Text), April 2022

IEEE TRANSACTIONS ON POWER ELECTRONICS, Journal Indexed in SCI-E, February 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2022

IEEE TRANSACTIONS ON POWER ELECTRONICS, Journal Indexed in SCI-E, January 2022

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, November 2021

ELECTRICA, Journal Indexed in ESCI, November 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, October 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, October 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, October 2021

IEEE TRANSACTIONS ON POWER ELECTRONICS, Journal Indexed in SCI-E, October 2021

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Journal Indexed in SCI-E, October 2021

IEEE TRANSACTIONS ON POWER ELECTRONICS, Journal Indexed in SCI-E, September 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, September 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, August 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, August 2021

Gazi University Journal of Science, Journal Indexed in ESCI, July 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, June 2021

Gazi University Journal of Science Part C: Design and Technology, Other Indexed Journal, June 2021

Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, June 2021

International Journal of Ambient Energy , Other Indexed Journal, May 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, March 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, March 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, February 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2021

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, November 2020

Turkish Journal of Electromechanics and Energy, Other Indexed Journal, November 2020

Gazi University Journal of Science, Journal Indexed in ESCI, September 2020

IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Journal Indexed in SCI-E, June 2020

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2020

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2020

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2020

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, April 2020

IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, February 2020  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, February 2020  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, February 2020  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2020  
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, Journal Indexed in SCI-E, January 2020  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, January 2020  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, August 2019  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, August 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, August 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, July 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, May 2019  
Bilişim Teknolojileri Dergisi, Other Indexed Journal, April 2019  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, Journal Indexed in SCI-E, April 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, March 2019  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, Journal Indexed in SCI-E, March 2019  
IEEE TRANSACTIONS ON POWER ELECTRONICS, Journal Indexed in SCI-E, March 2019  
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, Journal Indexed in SCI-E, March 2019  
Karadeniz Fen Bilimleri Dergisi, Other Indexed Journal, March 2019  
International Journal of Electrical Power & Energy Systems, SCI Journal, October 2018  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, October 2018  
IEEE Transactions on Industry Applications, SCI Journal, August 2018  
IEEE Transactions on Industry Applications, SCI Journal, July 2018  
IEEE Transactions on Industry Applications, SCI Journal, May 2018  
International Journal of Electrical Power & Energy Systems, SCI Journal, May 2018  
Applied Energy, SCI Journal, April 2018  
IEEE Transactions on Industry Applications, SCI Journal, April 2018  
International Transactions on Electrical Energy Systems, SCI Journal, March 2018  
Solar Photovoltaic Power Plants: Advanced Control and Optimization Techniques, Scientific / Professional Book Published by Other Publishers, March 2018  
IEEE Transactions on Industry Applications, SCI Journal, March 2018  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, March 2018  
IEEE Transactions on Industrial Electronics, SCI Journal, February 2018  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, February 2018  
IET Renewable Power Generation, SCI Journal, February 2018  
SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL, SCI Journal, December 2017  
IEEE Transactions on Industrial Electronics, SCI Journal, December 2017  
Engineering Science and Technology, an International Journal, Other Indexed Journal, December 2017  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, December 2017  
Turkish Journal of Electromechanics and Energy, Other Indexed Journal, December 2017  
IEEE Transactions on Industry Applications, SCI Journal, December 2017  
Turkish Journal of Electromechanics and Energy, Other Indexed Journal, November 2017  
International Transactions on Electrical Energy Systems, SCI Journal, October 2017  
IEEE Transactions on Industry Applications, SCI Journal, October 2017  
IEEE Transactions on Industry Applications, SCI Journal, August 2017  
IEEE Transactions on Industry Applications, SCI Journal, August 2017  
IEEE Transactions on Industry Applications, SCI Journal, July 2017  
IEEE Transactions on Industry Applications, SCI Journal, July 2017

IEEE Transactions on Power Electronics, SCI Journal, June 2017  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, SCI Journal, May 2017  
International Journal of Electronics, SCI Journal, May 2017  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, May 2017  
IEEE Transactions on Power Electronics, SCI Journal, May 2017  
IET GENERATION TRANSMISSION & DISTRIBUTION, SCI Journal, April 2017  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, April 2017  
International Journal of Energy Research, SCI Journal, April 2017  
IEEE Transactions on Power Electronics, SCI Journal, April 2017  
IEEE Transactions on Industry Applications, SCI Journal, February 2017  
The Open Cybernetics and Systemics Journal, Other Indexed Journal, January 2017  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, January 2017  
Robotics and Autonomous Systems, SCI Journal, January 2017  
IEEE Transactions on Power Electronics, SCI Journal, January 2017  
Applied Energy, SCI Journal, January 2017  
Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, SCI Journal, August 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, August 2016  
IEEE Industry Applications Society, SCI Journal, July 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, July 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, June 2016  
IET GENERATION TRANSMISSION & DISTRIBUTION, SCI Journal, June 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, June 2016  
IEEE Industry Applications Society, SCI Journal, June 2016  
IET GENERATION TRANSMISSION & DISTRIBUTION, SCI Journal, June 2016  
IET GENERATION TRANSMISSION & DISTRIBUTION, SCI Journal, June 2016  
IEEE Transactions on Smart Grid, SCI Journal, June 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, June 2016  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES, SCI Journal, May 2016  
Journal of the Faculty of Engineering and Architecture of Gazi University, SCI Journal, May 2016  
IEEE Industry Applications Society, SCI Journal, April 2016  
Electrical Engineering, SCI Journal, March 2016  
Journal of Systems and Control Engineering, Other Indexed Journal, February 2016  
IEEE Industry Applications Society, SCI Journal, January 2016  
IEEE Industry Applications Society, SCI Journal, November 2015  
IEEE Transactions on Power Systems, SCI Journal, November 2015  
IEEE Transactions on Power Electronics, SCI Journal, November 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, November 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, November 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, November 2015  
International Journal of Modelling and Simulation, Other Indexed Journal, October 2015  
Sigma Journal of Engineering and Natural Sciences, Other Indexed Journal, October 2015  
IEEE Industry Applications Society, SCI Journal, October 2015  
IEEE Industry Applications Society, SCI Journal, September 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, September 2015  
IEEE Industry Applications Society, SCI Journal, August 2015  
IEEE Transactions on Power Electronics, SCI Journal, August 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, July 2015  
IEEE Industry Applications Society, SCI Journal, June 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, May 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, May 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, May 2015



Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, SCI Journal, May 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, April 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, April 2015  
International Journal of Electronics, SCI Journal, April 2015  
Electrical Engineering, SCI Journal, April 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, April 2015  
IET Power Electronics, SCI Journal, March 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, February 2015  
Electrical Engineering, SCI Journal, February 2015  
Gazi University Journal of Science Part A: Engineering and Innovation, Other Indexed Journal, February 2015  
Advances in Electrical and Electronic Engineering, Other Indexed Journal, February 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, January 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, January 2015  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, December 2014  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, November 2014  
Journal of Global Research in Education and Social Science, Other Indexed Journal, November 2014  
International Journal of Power and Energy Conversion, Other Indexed Journal, October 2014  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, October 2014  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, October 2014  
IET Power Electronics, SCI Journal, August 2014  
International Journal of Photoenergy, SCI Journal, July 2014  
International Journal of Photoenergy, SCI Journal, July 2014  
International Journal of Photoenergy, SCI Journal, June 2014  
International Journal of Electrical Power and Energy Systems, SCI Journal, April 2014  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, March 2014  
IET Power Electronics, SCI Journal, February 2014  
IET Power Electronics, SCI Journal, January 2014  
International Journal of Photoenergy, SCI Journal, December 2013  
International Journal of Photoenergy, SCI Journal, December 2013  
IET Power Electronics, SCI Journal, November 2013  
Sigma Mühendislik ve Fen Bilimleri Dergisi, National Scientific Refreed Journal, November 2013  
International Journal of Photoenergy, SCI Journal, October 2013  
International Journal of Photoenergy, SCI Journal, September 2013  
IET Power Electronics, SCI Journal, August 2013  
IET Power Electronics, SCI Journal, August 2013  
Advances in Electrical and Electronic Engineering, Other Indexed Journal, July 2013  
Measurement, SCI Journal, April 2013  
International Transactions on Electrical Energy Systems, SCI Journal, April 2013  
International Journal of Electronics, SCI Journal, January 2013  
Advances in Electrical and Electronic Engineering, Other Indexed Journal, January 2013  
IET Power Electronics, SCI Journal, January 2013  
European Transactions on Electrical Power, SCI Journal, January 2013  
IET Power Electronics, SCI Journal, December 2012  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, December 2012  
Turkish Journal of Electrical Engineering and Computer Sciences, SCI Journal, December 2012  
Electric Power Components and Systems, SCI Journal, September 2012  
IET Power Electronics, SCI Journal, August 2012  
Electrical Engineering, SCI Journal, January 2012  
Sigma Mühendislik ve Fen Bilimleri Dergisi, National Scientific Refreed Journal, December 2011  
Scientific Research and Essays, Other Indexed Journal, April 2011  
IET Power Electronics, SCI Journal, March 2011

European Transactions on Electrical Power, SCI Journal, August 2010

## Tasks In Event Organizations

Özkoç E., INISTA 2012 International Symposium on INnovations in Intelligent SysTems and Applications, Scientific Congress, Trabzon, Turkey, Temmuz 2012

Özkoç E., ASYU 2012 Akıllı Sistemlerde Yenilikler ve Uygulamaları Sempozyumu, Scientific Congress, Trabzon, Turkey, Temmuz 2012

Özkoç E., INISTA 2009 International Symposium on Innovations in Intelligent Systems and Applications, Scientific Congress, Trabzon, Turkey, Temmuz 2009

## Mobility Activity

Other, Guest Researcher, University of New Brunswick: Fredericton Campus, Canada, 2017 - 2017

Post Doc, Post Doc, University of New Brunswick: Fredericton Campus, Canada, 2014 - 2015

Erasmus Programme, Student Mobility, Universiteit Gent, Belgium, 2005 - 2006

## Metrics

Publication: 129

Citation (WoS): 449

Citation (Scopus): 731

H-Index (WoS): 10

H-Index (Scopus): 13

## Invited Talks

Yenilenebilir Enerji Kaynakları, Conference, Karadeniz Teknik Üniversitesi, Turkey, April 2008

## Scholarships

Yurt Dışı Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2014 - 2015

Yurt İçi Doktora Bursu, TÜBİTAK, 2008 - 2012

Yurt İçi Yüksek Lisans Bursu, TÜBİTAK, 2005 - 2006

## Awards

Özkoç E., IEEE Senior Member, Institute Of Electrical And Electronics Engineers (Ieee), October 2017

## Non Academic Experience

University of New Brunswick

University of New Brunswick

Ghent University