

## Prof. Dr. AHMET TEKE

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: [124463](https://yoksis.org.tr/yoksis/124463)

### Eğitim Bilgileri

Doktora, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Türkiye 2006 - 2011

Yüksek Lisans, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, Türkiye 2002 - 2005

Lisans, Çukurova Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Türkiye 1997 - 2002

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Sertifika, Kurs ve Eğitimler

Yenilenebilir Enerji Kaynakları, Kurumsal Karbon Ayak İzi ve Yeşil Mutabakat Bilgilendirme Eğitimi, QSI, 2022

Kalite Yönetimi, ISO 50001:2018 Baş Tetkikçi Eğitimi, BSI Eğitim Akademisi, 2020

Mesleki Eğitim, Sanayide Enerji Yöneticisi, EDSM Enerji, 2010

### Yaptığı Tezler

Doktora, UNIFIED POWER QUALITY CONDITIONER: DESIGN, SIMULATION AND EXPERIMENTAL ANALYSIS, Çukurova Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 2011

Yüksek Lisans, Modelling of Dynamic Voltage Restorer , Çukurova Üniversitesi, Mühendislik Mimarlık, Elektrik Elektronik Mühendisliği, 2005

### Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Enerji, Aydınlatma Teknolojisi , Enerji Üretim İstasyonları ve Tesisleri , Yenilenebilir Enerji, Yüksek Gerilim Teknikleri , Güç Elektronikliği, Elektrik Motoru Sürücüler, Güç Çevirgeçleri, Güç Kalitesi, Güneş Enerjisi, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Prof. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Devam Ediyor  
Doç. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2015 - 2020  
Yrd. Doç. Dr., Çukurova Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2011 - 2015  
Araştırma Görevlisi, Çukurova Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2005 - 2011

## Verdiği Dersler

High Voltage Techniques, Lisans, 2021 - 2022, 2015 - 2016  
Utilization of electrical Energy, Lisans, 2019 - 2020  
Illumination Techniques, Lisans, 2013 - 2014, 2012 - 2013  
Electrical Power Generation And Renewable Energy Systems, Lisans, 2012 - 2013  
Industrial Electronics, Lisans, 2012 - 2013  
Industrial Electricity, Lisans, 2012 - 2013  
Renewable Energy Systems, Yüksek Lisans, 2012 - 2013  
Electric Safety and Grounding System Design, Lisans, 2012 - 2013  
Custom Power Devices for Power Quality Enhancement, Doktora, 2012 - 2013

## Yönetilen Tezler

Teke A., Design and Power Quality Improvement of a Grid Connected Hybrid PV System, Yüksek Lisans, B.GÜZEY(Öğrenci), 2023  
Teke A., IMPLEMENTATION OF ACTIVE CELL BALANCING CIRCUIT FOR BATTERY MANAGEMENT SYSTEM IN ELECTRIC VEHICLES, Doktora, A.TÜRKSOY(Öğrenci), 2022  
Teke A., Optimal design of a hybrid PV-Battery System for on-grid applications, Yüksek Lisans, H.BOZKURT(Öğrenci), 2022  
Teke A., Design and analysis of high efficient AC-DC power factor corrected converters for on-board battery charging system in electric vehicles, Doktora, Ö.TÜRKSOY(Öğrenci), 2020  
Teke A., Investigation of high efficient DC-DC converters for on-board battery charging system in electric vehicles, Doktora, Ü.YILMAZ(Öğrenci), 2020  
Teke A., Controller design and experimental verification of grid-connected microinverters for photovoltaic applications, Doktora, Ö.ÇELİK(Öğrenci), 2019  
Teke A., Research and application of real-time short-term electrical energy consumption forecasting using artificial intelligence based techniques, Doktora, K.ZOR(Öğrenci), 2019  
Teke A., Distributed solar power generation effects on short circuit protection of distribution network: New techniques for improvements regarding adverse effects, Yüksek Lisans, E.YILDIRIM(Öğrenci), 2018  
Teke A., Design and implementation of a wireless sensor network for energy monitoring, analysis and management in smart buildings, Doktora, O.TİMUR(Öğrenci), 2018  
Teke A., Optimal design and research on multi objective control strategy for multilevel multifunctional inverter in large scale grid connected photovoltaic system, Doktora, M.BARGHI(Öğrenci), 2017  
Teke A., Introducing novel models to estimate global solar radiation based on meteorological parameters in Eastern Mediterranean Region, Doktora, H.BAŞAK(Öğrenci), 2016  
Teke A., Design and simulation of dstatcom for power quality improvements, Yüksek Lisans, Y.YOLDAŞ(Öğrenci), 2015

Teke A., A novel hybrid mppt method for grid connected photovoltaic systems with partial shading conditions, Yüksek Lisans, Ö.ÇELİK(Öğrenci), 2015

TEKE A., Developing a Software Program to Determine the Optimal Capacity Rating of Cogeneration and Trigenation Plants Driven by Gas Engines for Unlicensed Generation of Electricity, Yüksek Lisans, K.Zor(Öğrenci), 2015

TEKE A., OPTIMAL DESIGN AND RESEARCH ON MULTI OBJECTIVE CONTROL STRATEGY FOR MULTILEVEL MULTIFUNCTIONAL INVERTER IN LARGE SCALE GRID CONNECTED PHOTOVOLTAIC SYSTEM, Doktora, M.Barghi(Öğrenci), 2013

TEKE A., Energy efficiency improvement and energy saving opportunities at Çukurova University BALCALI hospital, Yüksek Lisans, O.TİMUR(Öğrenci), 2013

## **SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler**

- I. **Power quality enhancement in hybrid PV-BES system based on ANN-MPPT**  
BOZKURT H., ÇELİK Ö., TEKE A.  
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.32, sa.5, ss.662-681, 2024 (SCI-Expanded)
- II. **A fast and energy-efficient nonnegative least square-based optimal active battery balancing control strategy for electric vehicle applications**  
Turksoy A., TEKE A.  
ENERGY, cilt.262, 2023 (SCI-Expanded)
- III. **A hybrid random parameters modification to MPPT algorithm to mitigate interharmonics from single-phase grid-connected PV systems**  
Hussein I., Celik O., TEKE A.  
ENERGY REPORTS, cilt.8, ss.6234-6244, 2022 (SCI-Expanded)
- IV. **A novel gene expression programming-based MPPT technique for PV micro-inverter applications under fast-changing atmospheric conditions**  
celik O., Zor K., TAN A., TEKE A.  
SOLAR ENERGY, cilt.239, ss.268-282, 2022 (SCI-Expanded)
- V. **Evaluation of artificial neural network methods to forecast short-term solar power generation: a case study in Eastern Mediterranean Region**  
Bozkurt H., Macit R., Celik O., TEKE A.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.30, sa.6, ss.2013-2030, 2022 (SCI-Expanded)
- VI. **Efficient AC-DC power factor corrected boost converter design for battery charger in electric vehicles**  
Turksoy O., Yilmaz U., Teke A.  
ENERGY, cilt.221, ss.1-18, 2021 (SCI-Expanded)
- VII. **A comprehensive overview of the dc-dc converter-based battery charge balancing methods in electric vehicles**  
Turksoy A., TEKE A., ALKAYA A.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.133, 2020 (SCI-Expanded)
- VIII. **Improving a battery charger architecture for electric vehicles with photovoltaic system**  
YILMAZ Ü., Turksoy O., TEKE A.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, cilt.44, sa.6, ss.4376-4394, 2020 (SCI-Expanded)
- IX. **Improvement of energy harvesting capability in grid-connected photovoltaic micro-inverters**  
Celik O., Tan A., Inci M., Teke A.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)
- X. **Short-Term Building Electrical Energy Consumption Forecasting by Employing Gene Expression Programming and GMDH Networks**  
Zor K., Celik O., TİMUR O., TEKE A.  
ENERGIES, cilt.13, sa.5, 2020 (SCI-Expanded)

- XI. **Improved MPPT method to increase accuracy and speed in photovoltaic systems under variable atmospheric conditions**  
YILMAZ Ü., Turksoy O., TEKE A.  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.113, ss.634-651, 2019 (SCI-Expanded)
- XII. **Intelligent control of high energy efficient two-stage battery charger topology for electric vehicles**  
YILMAZ Ü., Turksoy O., TEKE A.  
ENERGY, cilt.186, 2019 (SCI-Expanded)
- XIII. **Distributed solar power application effects on short circuit protection in distributed generation - new techniques for short circuit protection in distributed generation**  
TEKE A., Yildirim E.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.34, sa.4, ss.2141-2158, 2019 (SCI-Expanded)
- XIV. **Minimizing Capacitance Value of Interleaved Power Factor Corrected Boost Converter for Battery Charger in Electric Vehicles**  
Turksoy O., Yilmaz U., TEKE A.  
ELEKTRONIKA IR ELEKTROTEHNIKA, cilt.25, sa.5, ss.11-17, 2019 (SCI-Expanded)
- XV. **A novel adaptive switching method to reduce DC-Link capacitor ripple in PV based grid-connected inverter**  
Turksoy A., Hames Y., TEKE A., Latran M. B.  
SOLAR ENERGY, cilt.173, ss.702-714, 2018 (SCI-Expanded)
- XVI. **Estimating daily Global solar radiation with graphical user interface in Eastern Mediterranean region of Turkey**  
YILDIRIM H. B., Çelik O., Teke A., Barutçu B.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.1528-1537, 2018 (SCI-Expanded)
- XVII. **Evaluation of classical parametric models for estimating solar radiation in the Eastern Mediterranean region of Turkey**  
Yildirim H. B., TEKE A., Antonanzas-Torres F.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.2053-2065, 2018 (SCI-Expanded)
- XVIII. **Overview of micro-inverters as a challenging technology in photovoltaic applications**  
ÇELİK O., TEKE A., TAN A.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.82, ss.3191-3206, 2018 (SCI-Expanded)
- XIX. **A Hybrid MPPT method for grid connected photovoltaic systems under rapidly changing atmospheric conditions**  
CELİK O., TEKE A.  
ELECTRIC POWER SYSTEMS RESEARCH, cilt.152, ss.194-210, 2017 (SCI-Expanded)
- XX. **Development and testing of an energy saving tool - Suitability analysis with case study**  
TEKE A., TİMUR O., BAYINDIR K. Ç.  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.77, ss.59-69, 2016 (SCI-Expanded)
- XXI. **The optimized artificial neural network model with Levenberg-Marquardt algorithm for global solar radiation estimation in Eastern Mediterranean Region of Turkey**  
Çelik O., TEKE A., YILDIRIM H. B.  
JOURNAL OF CLEANER PRODUCTION, cilt.116, ss.1-12, 2016 (SCI-Expanded)
- XXII. **Multi-functional static synchronous compensator for distribution systems**  
Saribulut L., TEKE A., Latran M. B.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.31, sa.3, ss.728-737, 2016 (SCI-Expanded)
- XXIII. **Evaluation and performance comparison of different models for the estimation of solar radiation**  
TEKE A., YILDIRIM H. B., Çelik O.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.50, ss.1097-1107, 2015 (SCI-Expanded)
- XXIV. **A novel wavelet transform based voltage sag/swell detection algorithm**

- LATRAN M. B., TEKE A.  
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, cilt.71, ss.131-139, 2015 (SCI-Expanded)
- XXV. **Supplemental LED lighting increases pansy growth**  
Köksal N., İncesu M., Teke A.  
HORTICULTURA BRASILEIRA, cilt.33, sa.4, ss.428-433, 2015 (SCI-Expanded)
- XXVI. **A simple methodology for capacity sizing of cogeneration and trigeneration plants in hospitals: A case study for a university hospital**  
TEKE A., ZOR K., TİMUR O.  
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, cilt.7, sa.5, 2015 (SCI-Expanded)
- XXVII. **Mitigation of power quality problems using distribution static synchronous compensator: a comprehensive review**  
Latran M. B., Teke A., Yoldas Y.  
IET POWER ELECTRONICS, cilt.8, sa.7, ss.1312-1328, 2015 (SCI-Expanded)
- XXVIII. **Investigation of multilevel multifunctional grid connected inverter topologies and control strategies used in photovoltaic systems**  
LATRAN M. B., TEKE A.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.42, ss.361-376, 2015 (SCI-Expanded)
- XXIX. **Experimental and simulation based study of an adaptive filter controlled solid state transfer switch**  
Meral M. E., CUMA M. U., TEKE A., TŪMAY M., BAYINDIR K. Ç.  
ELECTRICAL ENGINEERING, cilt.96, sa.4, ss.385-395, 2014 (SCI-Expanded)
- XXX. **Estimating the monthly global solar radiation for Eastern Mediterranean Region**  
TEKE A., YILDIRIM H. B.  
ENERGY CONVERSION AND MANAGEMENT, cilt.87, ss.628-635, 2014 (SCI-Expanded)
- XXXI. **Artificial neural network-based discrete-fuzzy logic controlled active power filter**  
SARIBULUT L., TEKE A., TŪMAY M.  
IET POWER ELECTRONICS, cilt.7, sa.6, ss.1536-1546, 2014 (SCI-Expanded)
- XXXII. **Assessing the energy efficiency improvement potentials of HVAC systems considering economic and environmental aspects at the hospitals**  
Teke A., Timur O.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, cilt.33, ss.224-235, 2014 (SCI-Expanded)
- XXXIII. **Review of Multifunctional Inverter Topologies and Control Schemes Used in Distributed Generation Systems**  
TEKE A., LATRAN M. B.  
JOURNAL OF POWER ELECTRONICS, cilt.14, sa.2, ss.324-340, 2014 (SCI-Expanded)
- XXXIV. **INVESTIGATION OF INVERTER BASED SHUNT COMPENSATORS FOR MITIGATION OF POWER QUALITY PROBLEMS IN POWER DISTRIBUTION SYSTEM**  
BARGHI LATRAN M., TEKE A.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.29, sa.4, ss.793-805, 2014 (SCI-Expanded)
- XXXV. **Implementation of a Non-Linear Adaptive Filter Based Sag Detection Method for Dynamic Voltage Restorers under Unbalanced Fault Conditions**  
CUMA M. U., TEKE A., Meral M. E., BAYINDIR K. Ç., TŪMAY M.  
JOURNAL OF POWER ELECTRONICS, cilt.13, sa.2, ss.304-312, 2013 (SCI-Expanded)
- XXXVI. **OPEN unified power quality conditioner with control based on enhanced phase locked loop**  
TEKE A., Meral M. E., CUMA M. U., TŪMAY M., BAYINDIR K. Ç.  
IET GENERATION TRANSMISSION & DISTRIBUTION, cilt.7, sa.3, ss.254-264, 2013 (SCI-Expanded)
- XXXVII. **A practical disturbance generator to test performances of various power quality mitigation devices**  
TEKE A., Meral M. E., TŪMAY M., CUMA M. U.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, cilt.21, sa.1, ss.38-54, 2013 (SCI-Expanded)
- XXXVIII. **Computer simulation and experimental implementation of a PIC-controlled hybrid multilevel inverter**

**for undergraduate laboratories**

Saribulut L., TEKE A., Meral M. E., TÜMAY M.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.20, sa.3, ss.445-453, 2012 (SCI-Expanded)

**XXXIX. Vector-based reference location estimating for space vector modulation technique**

Saribulut L., TEKE A., TÜMAY M.

ELECTRIC POWER SYSTEMS RESEARCH, cilt.86, ss.51-60, 2012 (SCI-Expanded)

**XL. Experimental implementation of a split-type air conditioner for fault detection and diagnosis**

BİLGİLİ M., TEKE A., YAŞAR A., ŞİMŞEK E.

ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, cilt.28, sa.1, ss.401-410, 2011 (SCI-Expanded)

**XLI. A Novel Reference Signal Generation Method for Power-Quality Improvement of Unified Power-Quality Conditioner**

TEKE A., SARIBULUT L., TÜMAY M.

IEEE TRANSACTIONS ON POWER DELIVERY, cilt.26, sa.4, ss.2205-2214, 2011 (SCI-Expanded)

**XLII. Implementation of fuzzy logic controller using FORTRAN language in PSCAD/EMTDC**

TEKE A., Meral M. E., SARIBULUT L., TÜMAY M.

INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, cilt.48, sa.4, ss.372-390, 2011 (SCI-Expanded)

**XLIII. Experimental Architecture of a DSP Based Signal Generation for PWM Inverter**

CUMA M. U., TEKE A., TÜMAY M., BAYINDIR K. Ç., OZGUR M. S.

COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.19, sa.3, ss.561-571, 2011 (SCI-Expanded)

**XLIV. A comprehensive overview of hybrid electric vehicle: Powertrain configurations, powertrain control techniques and electronic control units**

BAYINDIR K. Ç., GOZUKUCUK M. A., TEKE A.

ENERGY CONVERSION AND MANAGEMENT, cilt.52, sa.2, ss.1305-1313, 2011 (SCI-Expanded)

**XLV. Dynamic control of unified power flow controller under unbalanced network conditions**

SARIBULUT L., TEKE A., TÜMAY M.

SIMULATION MODELLING PRACTICE AND THEORY, cilt.19, sa.2, ss.817-836, 2011 (SCI-Expanded)

**XLVI. Fast sag/swell detection method for fuzzy logic controlled dynamic voltage restorer**

TEKE A., BAYINDIR K. Ç., TÜMAY M.

IET GENERATION TRANSMISSION & DISTRIBUTION, cilt.4, sa.1, ss.1-12, 2010 (SCI-Expanded)

**XLVII. Power quality improvement with an extended custom power park**

MERAL M., TEKE A., BAYINDIR K. Ç., TÜMAY M.

ELECTRIC POWER SYSTEMS RESEARCH, cilt.79, sa.11, ss.1553-1560, 2009 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

**I. Development of a Low-Cost Monitoring and Warning System for a Data Processing Room**

TİMUR O., TEKE A.

Çukurova Üniversitesi Mühendislik Fakültesi dergisi, cilt.38, sa.2, ss.375-390, 2023 (Hakemli Dergi)

**II. Design and implementation of a microcontroller based split air conditioner control system**

TİMUR O., TEKE A.

Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.64, sa.2, ss.117-128, 2022 (Hakemli Dergi)

**III. Application of Statistical and Artificial Intelligence Techniques for Medium-Term Electrical Energy Forecasting: A Case Study for a Regional Hospital**

Timur O., Zor K., Çelik Ö., Teke A., İbrikçi T.

JOURNAL OF SUSTAINABLE DEVELOPMENT OF ENERGY, WATER AND ENVIRONMENT SYSTEMS, cilt.8, sa.3, ss.520-536, 2020 (ESCI)

**IV. ENHANCEMENT OF A LOW-COST INTELLIGENT DEVICE FOR IMPROVING ENERGY EFFICIENCY IN**

## BUILDINGS

TİMUR O., ZOR K., ÇELİK Ö., TEKE A.

Communications Faculty of Sciences University of Ankara Series A2-A3: Physical Sciences and Engineering, cilt.60, sa.2, ss.103-128, 2018 (Hakemli Dergi)

- V. **Yüksek Verimli Transformatörlerin Yatırım Geri Dönüş Sürelerininİncelenmesi**  
DOĞRUKAN H., SARIBULUT L., TEKE A.  
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.33, sa.1, ss.107-116, 2018 (Hakemli Dergi)
- VI. **Design of a Solar Tracking System by Using Arduino**  
TİMUR O., TEKE A.  
International Journal of Scientific and Technological Research, cilt.4, sa.5, ss.23-30, 2018 (Hakemli Dergi)
- VII. **Estimation of Electrical Characteristics and Maximum Power Point of Photovoltaic Panel**  
Yılmaz Ü., Türksöy Ö., İBRİKÇİ T., TEKE A.  
Jour. of Electrical Systems, cilt.13, sa.2, ss.255-265, 2017 (Scopus)
- VIII. **Estimation of Electrical Characteristics and Maximum Power Point of Photovoltaic Panel**  
YILMAZ Ü., Turksoy O., İBRİKÇİ T., TEKE A.  
JOURNAL OF ELECTRICAL SYSTEMS, cilt.13, sa.2, ss.255-265, 2017 (ESCI)
- IX. **Estimation of Electrical Characteristics and Maximum Power Point of Photovoltaic Panel**  
YILMAZ Ü., TÜRKSOY Ö., İBRİKÇİ T., TEKE A.  
Journal of Electrical Systems, cilt.13, sa.2, ss.255-265, 2017 (ESCI)
- X. **A Comparison Study of Sinusoidal PWM and Space Vector PWM Techniques for Voltage Source Inverter**  
TÜRKSOY Ö., YILMAZ Ü., TAN A., TEKE A.  
Natural and Engineering Sciences, cilt.2, sa.2, ss.73-84, 2017 (Hakemli Dergi)
- XI. **Current Overview of Renewable Energy Resources in Rwanda**  
UWISENGEYIMANA J. D. D., TEKE A., İBRİKÇİ T.  
Journal of Energy and Natural Resources, cilt.5, sa.6, ss.92-97, 2017 (Hakemli Dergi)
- XII. **Survey of Photovoltaic PV Technologies PV Module Characteristics Connection Form and Standards**  
ÇELİK Ö., TEKE A., YILDIRIM H. B.  
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.30, sa.2, 2015 (Hakemli Dergi)
- XIII. **Calculating Payback Periods for Energy Efficiency Improvement Applications at a University Hospital**  
Teke A., Timur O., Zor K.  
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.30, sa.1, ss.41-56, 2015 (Hakemli Dergi)
- XIV. **Calculating Payback Periods for Energy Efficiency Improvement Applications at University Hospital**  
TEKE A., TİMUR O., ZOR K.  
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.30, sa.1, ss.41-56, 2015 (Hakemli Dergi)
- XV. **Step by Step Design Procedure of a Distribution Static Synchronous Compensator DSTATCOM**  
TEKE A., YOLDAŞ Y., BARGHI LATRAN M.  
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.30, sa.1, ss.117-131, 2015 (Hakemli Dergi)
- XVI. **Overview of Energy Savings and Efficiency Strategies at the Hospitals**  
TEKE A., Timur O.  
World Academy of Science, Engineering and Technology International Journal of Social, Human Science and Engineering, cilt.8, sa.1, ss.257-263, 2014 (Hakemli Dergi)
- XVII. **Overview of Energy Savings and Efficiency Strategies at the Hospitals**  
TEKE A., TİMUR O.  
World Academy of Science, Engineering and Technology International Journal of Economics and Management Engineering, cilt.8, sa.1, ss.242-248, 2014 (Hakemli Dergi)
- XVIII. **Pistonlu Gaz Motorlarıyla Tahrik Edilen Kojenerasyon Sistemleri İle Yerinde Enerji Üretimi**  
ZOR K., TEKE A.  
3e Electrotech - Aylık Enerji, Elektrik, Elektronik Teknolojileri Dergisi, sa.234, ss.176-182, 2013 (Hakemsiz Dergi)
- XIX. **Electric Motors and Variable Speed Drives at the Hospitals: An Overview**  
TEKE A., TİMUR O.

- Majlesi Journal of Energy Management, cilt.2, sa.3, ss.5-16, 2013 (Hakemli Dergi)
- XX. **Electric Motors and Variable Speed Drives at the Hospitals An Overview**  
TEKE A., TİMUR O.  
Majlesi Journal of Energy Management, cilt.2, sa.3, ss.5-16, 2013 (Hakemli Dergi)
- XXI. **Lighting Systems at the Hospitals An Overview**  
TEKE A., TİMUR O.  
Majlesi Journal of Energy Management, cilt.2, sa.2, ss.39-51, 2013 (Hakemli Dergi)
- XXII. **Fundamentals and Literature Review of Wavelet Transform in Power Quality Issues**  
SARIBULUT L., TEKE A., BARGHI LATRAN M., TÜMAY M.  
Journal of Electrical and Electronics Engineering Research, cilt.5, sa.1, ss.1-8, 2013 (Hakemli Dergi)
- XXIII. **Lighting Systems at the Hospitals: An Overview**  
TEKE A., TİMUR O.  
Majlesi Journal of Energy Management, cilt.2, sa.2, ss.39-51, 2013 (Hakemli Dergi)
- XXIV. **Fundamentals and Literature Review of Fourier Transform in Power Quality**  
SARIBULUT L., TEKE A., TÜMAY M.  
Journal of Electrical and Electronics Engineering Research, cilt.5, sa.1, ss.9-22, 2013 (Hakemli Dergi)
- XXV. **Denetim Sinyalleri Üreten İşlemciler**  
TEKE A., ÖZBARUT A.  
EMO Bilimsel Dergi, cilt.3, sa.5, ss.1-6, 2013 (Hakemli Dergi)
- XXVI. **LED Aydınlatma Sisteminin Domates Bitkisinin Gelişimi Üzerine Etkileri**  
Köksal N., İncesu M., Teke A.  
Tarım Bilimleri Araştırma Dergisi, cilt.6, sa.2, ss.71-75, 2013 (Hakemli Dergi)
- XXVII. **Performance Comparison of PWM Methods for 27 Level Hybrid Multilevel Inverters**  
MERAL M. E., SARIBULUT L., TEKE A., TÜMAY M.  
Gazi University Journal of Science, cilt.25, sa.3, ss.689-695, 2012 (Scopus)
- XXVIII. **Experimental Implementation of a Split Type Air Conditioner for Fault Detection Diagnosis**  
BİLGİLİ M., TEKE A., YAŞAR A., ŞİMŞEK E.  
Energy Education Science And Technology Part A-Energy Science And Research, cilt.28, sa.1, ss.401-410, 2011 (Hakemli Dergi)
- XXIX. **Unified Power Quality Conditioner A Literature Survey**  
TEKE A., TÜMAY M.  
JOURNAL OF ELECTRICAL SYSTEMS, cilt.7, sa.1, ss.122-130, 2011 (Scopus)
- XXX. **Power Quality Disturbances and Custom Power Devices**  
TEKE A., SARIBULUT L., TÜMAY M.  
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, cilt.26, sa.1, ss.57-65, 2011 (Hakemli Dergi)
- XXXI. **Active Power Filter Review of Converter Topologies and Control Strategies**  
TEKE A., SARIBULUT L., MERAL M. E., TÜMAY M.  
Gazi University Journal of Science, cilt.24, sa.2, ss.283-289, 2011 (Scopus)
- XXXII. **Güneş Paneli Sistemlerinin Tasarımı**  
KÖROĞLU T., TEKE A., Bayındır K. Ç., TÜMAY M.  
Elektrik Mühendisliği Dergisi, sa.439, ss.98-104, 2010 (Hakemli Dergi)
- XXXIII. **Dynamic Voltage Restorers A Literature Review**  
TEKE A., MERAL M. E., SARIBULUT L., TÜMAY M.  
Elektrika UTM Journal of Electrical Engineering, cilt.12, sa.1, ss.7-13, 2010 (Hakemli Dergi)
- XXXIV. **Elektrik Tesislerinde Enerji Verimliliği**  
MERAL M. E., TEKE A., TÜMAY M.  
Uludağ Üniversitesi, Mühendislik-Mimarlık Fakültesi Dergisi, cilt.14, sa.1, ss.31-37, 2009 (Hakemli Dergi)
- XXXV. **Türkiye nin Güney Sanayi Bölgelerindeki Güç Kalitesi Üzerine Bir Araştırma**  
TEKE A., MERAL M. E., TÜMAY M., BAYINDIR K. Ç.  
Uludağ Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, cilt.14, sa.2, 2009 (Hakemli Dergi)
- XXXVI. **Evaluation of Available Power Quality Disturbance Generators for Testing of Power Quality and**



## **Mitigation Devices**

TEKE A., MERAL M. E., TÜMAY M.

International Journal on Sciences and Techniques of Automatic Control & Computer Engineering, ss.624-635, 2008  
(Hakemli Dergi)

## **Kitap & Kitap Bölümleri**

### **I. Elektrikle İlgili Tehlikeler, Riskler ve Önlemler**

TEKE A.

İŞ SAĞLIĞI ve GÜVENLİĞİ EĞİTİMİ, Ferdi TANIR, Editör, Akademisyen, Ankara, ss.295-309, 2021

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

### **I. ERRORS THAT MAY OCCUR IN RENEWABLE ENERGY BASED POWER PLANTS, DESIGN OF HYBRID SYSTEMS AND GRID INTEGRATION**

MACİT R., BOZKURT H., TEKE A.

III. INTERNATIONAL ISTANBUL CURRENT SCIENTIFIC RESEARCH CONGRESS , İstanbul, Türkiye, 8 - 09 Şubat 2023, ss.919, İstanbul, Türkiye, 08 Şubat 2023, ss.918-919

### **II. Development of an Intelligent Energy Measurement Device for Buildings.**

TİMUR O., ZOR K., ÇELİK Ö., TEKE A.

Proceedings of the 2nd International Conference on Theoretical and Applied Computer Science and Engineering (ICTACSE2018), İstanbul, Türkiye, 29 Haziran 2020, cilt.16, ss.16-21

### **III. Very Short-Term Internet of Things Based Forecasting of Air Conditioning Loads: A Case Study for a Server Room in a Hospital.**

TİMUR O., ZOR K., ÇELİK Ö., TEKE A.

Proceedings of the 2nd International Conference on Theoretical and Applied Computer Science and Engineering (ICTACSE2018), İstanbul, Türkiye, 29 Haziran 2020, cilt.12, ss.22-25

### **IV. Optimal Design and Analysis of Single-Stage Flyback Pv Microinverter**

ÇELİK Ö., TAN A., ZOR K., TEKE A.

The European Conference on Sustainability, Energy theEnvironment, ECSEE2018, Brighton, Birleşik Krallık, 6 - 07 Temmuz 2018

### **V. Very Short-Term Electrical Energy Consumption Forecasting of a Household for the Integrationof Smart Grids**

ZOR K., Timur O., ÇELİK Ö., YILDIRIM H. B., TEKE A.

The European Conference on Sustainability, Energy theEnvironment, ECSEE2018, Brighton, Birleşik Krallık, 6 - 07 Temmuz 2018

### **VI. Very Short-Term Electrical Energy Consumption Forecasting of a Household for the Integration of Smart Grids.**

Zor K., Timur O., Çelik Ö., Yıldırım H. B., Teke A.

Official Conference Proceedings of the European Conference on Sustainability, Energy & the Environment 2018 (ECSEE2018), Brighton, Birleşik Krallık, 06 Temmuz 2018, cilt.1, ss.1-14

### **VII. DEVELOPMENT OF AN INTELLIGENT ENERGYMEASUREMENT DEVICE FOR BUILDINGS**

OĞUZHAN T., ZOR K., ÇELİK Ö., TEKE A.

II. International Conference on Theoretical andApplied Computer Science and Engineering, ICTACSE, İstanbul, Türkiye, 29 - 30 Haziran 2018

### **VIII. VERY SHORT-TERM INTERNET OF THINGS BASED FORECASTING OF AIR CONDITIONING LOADS: A CASE STUDY FOR A SERVER ROOM IN A HOSPITAL**

OĞUZHAN T., ZOR K., ÇELİK Ö., TEKE A.

II. International Conference on Theoretical andApplied Computer Science and Engineering, ICTACSE, İstanbul,

Türkiye, 29 - 30 Haziran 2018

- IX. **THE OPTIMIZED ARTIFICIAL NEURAL NETWORK BASED ESTIMATION OF ELECTRICITY GENERATION OF TURKEY**  
TÜRKSOY A., İBRİKÇİ T., TÜRKSOY Ö., TEKE A.  
16th International Conference on Clean Energy (ICCE-2018), Famagusta, Kıbrıs (Kkct), 9 - 11 Mayıs 2018
- X. **The Optimized Artificial Neural Network Based Estimation of Electricity Generation of Turkey**  
TÜRKSOY A., İBRİKÇİ T., TÜRKSOY Ö., TEKE A.  
16th International Conference on Clean Energy (ICCE-2018), 9 - 11 Mayıs 2018
- XI. **Overview of Battery Charger Topologies in Plug-in Electric and Hybrid Electric Vehicles**  
TÜRKSOY Ö., YILMAZ Ü., TEKE A.  
16th International Conference on Clean Energy (ICCE-2018), Gazimagusa, Kıbrıs (Kkct), 9 - 11 Mayıs 2018
- XII. **SIMPLE APPROACHES TO MISSING DATA FOR ENERGY FORECASTING APPLICATIONS**  
ZOR K., ÇELİK Ö., TİMUR O., YILDIRIM H. B., TEKE A.  
16th International Conference on Clean Energy, ICCE-2018, Gazimagusa, Kıbrıs (Kkct), 9 - 11 Mayıs 2018
- XIII. **Simple Approaches to Missing Data for Energy Forecasting Applications.**  
ZOR K., ÇELİK Ö., TİMUR O., YILDIRIM H. B., TEKE A.  
Proceedings of the 16th International Conference on Clean Energy (ICCE2018), Gazimagusa, Kıbrıs (Kkct), 09 Mayıs 2018
- XIV. **Evaluation and Performance Comparison of Global Solar Radiation Estimation Models Based on Temperature Range**  
YILDIRIM H. B., TEKE A., BARUTÇU B.  
INERMA 2017, 27 - 30 Eylül 2017
- XV. **Design of 100 kW Grid-Tie Photovoltaic System: A Simulation Study**  
TÜRKSOY A., HAMEŞ Y., TEKE A.  
International Advanced Researches Engineering Congress-2017, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.1165
- XVI. **Evaluation of Control Techniques in the Grid Connected Photovoltaic Systems**  
TÜRKSOY A., HAMEŞ Y., TEKE A.  
International Advanced Researches Engineering Congress-2017, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.1160
- XVII. **Investigation of Closed-Loop Controlled Isolated DC-DC Converters with High Frequency Transformers**  
YILMAZ Ü., TÜRKSOY Ö., TAN A., TEKE A.  
International Advanced Researches Engineering Congress-2017, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.945-952
- XVIII. **A Comprehensive Assessment of Solar Array Simulators**  
TÜRKSOY Ö., YILMAZ Ü., TAN A., TEKE A.  
International Advanced Researches Engineering Congress-2017, Osmaniye, Türkiye, 16 - 18 Kasım 2017, ss.1020-1026
- XIX. **Interpretation of Error Calculation Methods in the Context of Energy Forecasting**  
ZOR K., TİMUR O., ÇELİK Ö., YILDIRIM H. B., TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Hırvatistan, 4 - 08 Ekim 2017, ss.1-9
- XX. **Design and Implementation of Smart Energy Measurement Plug in Smart Buildings**  
TİMUR O., ZOR K., ÇELİK Ö., YILDIRIM H. B., TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Hırvatistan, 4 - 08 Ekim 2017, ss.1-12
- XXI. **Comparative Investigation of Single-Stage and Multi-Stage Grid- Tie Micro-Inverters**  
ÇELİK Ö., TAN A., ZOR K., TİMUR O., YILDIRIM H. B., TEKE A.  
12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2017), Dubrovnik, Hırvatistan, 4 - 08 Ekim 2017, ss.1-6
- XXII. **Design and Implementation of Smart Energy Measurement Plug in Smart Buildings**  
TİMUR O., ZOR K., ÇELİK Ö., YILDIRIM H. B., TEKE A.

Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017), Dubrovnik, Hırvatistan, 04 Ekim 2017, cilt.732, ss.1-12

**XXIII. Comparative Investigation of Single-Stage and Multi-Stage Grid-Tie Micro-Inverters.**

Çelik Ö., Tan A., Zor K., Timur O., Yıldırım H. B., Teke A.

Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017), Dubrovnik, Hırvatistan, 04 Ekim 2017, cilt.7, ss.1-6

**XXIV. Interpretation of Error Calculation Methods in the Context of Energy Forecasting.**

ZOR K., TİMUR O., ÇELİK Ö., YILDIRIM H. B., TEKE A.

Digital Proceedings of the 12th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2017), Dubrovnik, Hırvatistan, 04 Ekim 2017, cilt.722, ss.1-9

**XXV. THE TECHNICAL APPROACH TO THE INTEGRATION PROBLEMS OF ELECTRIC VEHICLES INTO THE ELECTRICITY GRID**

TÜRKSOY Ö., YILMAZ Ü., TEKE A.

2nd International Congress on Engineering, Architecture and Design, Kocaeli, Türkiye, 12 - 13 Mayıs 2017, ss.475-476

**XXVI. WEATHER CONDITION EFFECTS ON DC-LINK VOLTAGE FOR GRID CONNECTED PV SYSTEM**

TÜRKSOY A., TÜRKSOY Ö., HAMEŞ Y., TEKE A.

2nd International Congress on Engineering, Architecture and Design, Kocaeli, Türkiye, 12 - 13 Mayıs 2017, ss.438-439

**XXVII. Analysis of DC-Link Capacitor Current Ripple for Grid Connected Inverters**

TÜRKSOY A., HAMEŞ Y., TEKE A.

2nd International Congress on Engineering, Architecture and Design, Kocaeli, Türkiye, 12 - 13 Mayıs 2017, ss.440-441

**XXVIII. EFFECT OF MPPT METHODS ON ENERGY EFFICIENCY IN PHOTOVOLTAIC APPLICATIONS**

YILMAZ Ü., TÜRKSOY Ö., TEKE A.

2nd International Congress on Engineering, Architecture and Design, Kocaeli, Türkiye, 12 - 13 Mayıs 2017, ss.446-447

**XXIX. A State-of-the-Art Review of Artificial Intelligence Techniques for Short-Term Electric Load Forecasting**

Zor K., TİMUR O., TEKE A.

6th International Youth Conference on Energy (IYCE), Budapest, Macaristan, 21 - 24 Haziran 2017

**XXX. Comparative Investigation of the Perturb Observe and Incremental Conductance MPPT Methods for Photovoltaic Applications**

ÇELİK Ö., TEKE A., TAN A.

SOLAR CONFERENCE & EXHIBITION (SOLAR TR2016), İstanbul, Türkiye, 6 - 08 Aralık 2016, ss.37-44

**XXXI. Comparative Study of Artificial Neural Network and Support Vector Machines in Local Global Solar Radiation Estimation**

ÖZCAN E., ARDIÇ M. S., İBRİKÇİ T., TEKE A.

1st International Mediterranean Science and Engineering Congress, Adana, Türkiye, 26 - 28 Ekim 2016, ss.12-17

**XXXII. Bölgesel toplam güneş radyasyonu tahminlerinde yapay sinir ağları ve destek vektör makineleri metotlarının kıyaslanmaları**

ÖZCAN E., Ardiç M. S., İBRİKÇİ T., TEKE A.

1st International Mediterranean Science&Engineering Congress(IMSEC2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.12-17

**XXXIII. Techno Economic Analysis of a Grid Connected Hybrid Biogas Photovoltaic Power Generation System in the Mediterranean Region**

ZOR K., ÇELİK Ö., TEKE A.

European Conference on Sustainability, Energy the Environment 2016 (ECSEE2016), Brighton, Birleşik Krallık, 7 - 10 Temmuz 2016, ss.1-10

**XXXIV. Akıllı Eviriciler ile Yenilenebilir Enerji Tabanlı Dağınık Üretim Sistemlerinin Akıllı Şebekelere Entegrasyonu**

BARGHI LATRAN M., TEKE A., ZOR K.

IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, TÜRKİYE., Türkiye, 23 - 24 Ekim 2015

XXXV. **Türkiye de Gaz Motorlu Kojenerasyon ve Trijenerasyon Santralleri ile Elektrik Enerjisi Üretimi**

ZOR K., TEKE A., ÇELİK Ö., LATRAN M. B.

IV. Elektrik Tesisat Ulusal Kongre ve Sergisi, İzmir, Türkiye, 21 - 24 Ekim 2015, cilt.2015, ss.189-195

XXXVI. **Fotovoltaik Sistemlerin Performansini Etkileyen Faktörler**

YOLDAŞ Y., TEKE A.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM), Adana, TÜRKİYE., Adana, Türkiye, 15 - 16 Ekim 2015

XXXVII. **Biyokütle ve Katı Atıkların Yakıt Olarak Kullanıldığı Gaz Motorlu Kojenerasyon Santralleri ile Yenilenebilir Enerji Üretimi**

ZOR K., TEKE A., TÜMAY M.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM), Adana, TÜRKİYE., Türkiye, 15 - 16 Ekim 2015

XXXVIII. **Fotovoltaik Sistemlerde Evirici Topolojilerinin Sistem Performansına Olan Etkileri**

ÇELİK Ö., TEKE A., YILDIRIM H. B.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM), Adana, TÜRKİYE., Türkiye, 15 - 16 Ekim 2015

XXXIX. **Developing a Software Program to Determine the Optimal Capacity Rating of Gas Engine Based Cogeneration and Trigenation Plants for Unlicensed Generation of Electricity**

ZOR K., TEKE A., TİMUR O.

10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES 2015), Dubrovnik, Hırvatistan, 27 Eylül - 02 Ekim 2015, cilt.20150695, ss.1-12

XL. **Developing a Software Program to Determine the Optimal Capacity Rating of Gas Engine Based Cogeneration and Trigenation Plants for Unlicensed Generation of Electricity.**

ZOR K., TEKE A., TİMUR O.

Digital Proceedings of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES2015), Dubrovnik, Hırvatistan, 27 Eylül 2015, cilt.695

XLI. **Current Status and Operation Modes of Cogeneration and Trigenation Plants Driven by Gas Engines**

ZOR K., TEKE A.

21th International Energy and Environment Fair and Conference (ICCI 2015), İstanbul, Türkiye, 6 - 08 Mayıs 2015, ss.91-94

XLII. **Evaluation and Performance Comparison of Global Solar Radiation Estimation Models Based on Angström Prescott Equation in Adana Turkey**

TEKE A., YILDIRIM H. B., ÇELİK Ö.

SolarTR Konferans ve Sergisi, İzmir, Türkiye, 19 - 21 Kasım 2014

XLIII. **Onsite Energy Production with Cogeneration Plants Driven by Reciprocating Gas Engines**

ZOR K., TEKE A.

1st South East European Conference on Sustainable Development of Energy, Water and Environment Systems - 1st SEE SDEWES, Ohrid, Makedonya, 29 Haziran - 03 Temmuz 2014, cilt.20140237, ss.1-9

XLIV. **Fotovoltaik Güç Destekli Absorbsiyonlu Soğutma Sistemi**

TEKE A., BİLGİLİ M., Kuşca H., YAŞAR A., Basalak A., ŞİMŞEK E.

1. Ulusal İklimlendirme Soğutma Eğitimi Sempozyumu (İKSES'12), Balıkesir, Türkiye, 15 - 21 Eylül 2012, ss.524-539

XLV. **A Novel Switching Signals Generation Method for Hybrid Multilevel Inverters**

MERAL M. E., SARIBULUT L., TEKE A., TÜMAY M.

ELECO 2009, Bursa, Türkiye, 5 - 08 Kasım 2009, ss.428-431

XLVI. **RF Haberleşme Tabanlı Su Deposu Otomasyon Sistemi**

TEKE A., ÖZBARUT A., TAN A., TÜMAY M.

IV. İletişim Teknolojileri Ulusal Sempozyumu, İTÜSEM 2009, Adana, Türkiye, 15 - 16 Ekim 2009, ss.119-124

XLVII. **İnternet Tabanlı Elektrik Enerjisi ve Güç Kalitesi İzleme Sistemi**

TAN A., ŞENSES M. O., MERAL M. E., TEKE A., BAYINDIR K. Ç., TÜMAY M.

3.Enerji Verimliliği ve Kalitesi Sempozyumu, EVK 2009, Kocaeli, Türkiye, 21 - 22 Mayıs 2009, ss.286-290

- XLVIII. PSCAD Modeling of Custom Power Park for Power Quality**  
TÜMAY M., Kaplan A., TEKE A., MERAL M. E., BAYINDIR K. Ç., CUMA M. U., SARIBULUT L.  
5th International Conference on Electrical Engineering, Batna, Cezayir, 27 - 29 Ekim 2008, ss.336-341
- XLIX. Comparison of Available Power Disturbance Generators for Testing of Custom Power Devices**  
TEKE A., MERAL M. E., TÜMAY M.  
5th International Conference on Electrical Engineering, Batna, Cezayir, 27 - 29 Ekim 2008
- L. Overview of an Extended Custom Power Park**  
MERAL M., TEKE A., TÜMAY M.  
2nd International Power and Energy Conference (PECon 2008), Johor-Bahru, Malezya, 1 - 03 Aralık 2008, ss.1364-1368
- LI. Power Quality Survey on South Industrial Districts of Turkey**  
BAYINDIR K. Ç., TEKE A., YIĞIT İ., MERAL M. E., TÜMAY M., YALÇIN B.  
ICPS'07 International Conference on Power Systems, Bangalore, Hindistan, 12 - 14 Aralık 2007
- LII. Experimental Setup for a DSP Based Single Phase PWM Inverter**  
TÜMAY M., BAYINDIR K. Ç., CUMA M. U., TEKE A.  
ELECO 2007, Bursa, Türkiye, 5 - 09 Aralık 2007
- LIII. A robust control of Dynamic Voltage Restorer using fuzzy logic**  
BAYINDIR K. C., TEKE A., Tuemay M.  
Joint Conference on Electromotion/IEEE Aegean Conference on Electrical Machines and Power Electronics/, Bodrum, Türkiye, 10 - 12 Eylül 2007, ss.55-56
- LIV. Fuzzy Logic Control of Dynamic Voltage Restorer**  
TÜMAY M., CUMA M. U., TEKE A., BAYINDIR K. Ç.  
ELMA 05, Sofya, Bulgaristan, 1 - 03 Aralık 2007
- LV. Simulation and Modeling of a Dynamic Voltage Restorer**  
TÜMAY M., TEKE A., BAYINDIR K. Ç., CUMA M. U.  
ELECO 2005, Bursa, Türkiye, 7 - 11 Aralık 2005, ss.31-35

## **Desteklenen Projeler**

- TEKE A., Hussein I. M., Yükseköğretim Kurumları Destekli Proje, Mitigation of Interharmonics Generation and Control Structure Enhancement from Single-Phase Single-Stage Grid Connected Photovoltaic Systems, 2021 - 2024
- TEKE A., Macit R., ÇELİK Ö., Yükseköğretim Kurumları Destekli Proje, Design of a Hybrid PV Fuel Cells System with Active Reactive Power Control Capabilities, 2022 - 2023
- TEKE A., TÜRKSOY A., ALKAYA A., Yükseköğretim Kurumları Destekli Proje, Implementation of Active Cell Balancing Circuit for Battery Management System in Electric Vehicles, 2021 - 2023
- TEKE A., Yükseköğretim Kurumları Destekli Proje, An Islanding Detection Technique For Distributed Renewable Energy Resources, 2013 - 2023
- TEKE A., Yükseköğretim Kurumları Destekli Proje, Birimsel Güç Faktörlü Doğrultucunun Tasarımı, 2013 - 2021
- Tan A., Teke A., TÜBİTAK Projesi, Şebekeye Bağlı İki-Aşamalı Fotovoltaik Mikro-Eviriciler için Kontrolcü Tasarımı ve Deneysel Olarak Gerçeklenmesi, 2019 - 2020
- TEKE A., TÜRKSOY Ö., Yükseköğretim Kurumları Destekli Proje, Investigation of High Efficient AC-DC Power Factor Corrected Converters for On-Board Battery Charging System In Electric Vehicles, 2018 - 2020
- TEKE A., ÇELİK Ö., Yükseköğretim Kurumları Destekli Proje, CONTROLLER DESIGN AND EXPERIMENTAL VERIFICATION OF GRID CONNECTED MICROINVERTERS FOR PHOTOVOLTAIC APPLICATIONS, 2017 - 2020
- TEKE A., ZOR K., ÇELİK Ö., Yükseköğretim Kurumları Destekli Proje, Electric Demand Prediction: Data Acquisition, Implementation of ANN and User Interface Design, 2017 - 2019
- TEKE A., Yıldırım E., Yükseköğretim Kurumları Destekli Proje, DEVELOPMENT OF A PLATFORM FOR MODELING DISTRIBUTED GENERATION SYSTEMS FOR PROTECTION ANALYSIS, 2014 - 2019
- TEKE A., ZOR K., ÇELİK Ö., Yükseköğretim Kurumları Destekli Proje, Very Short-Term Forecasting of a Household Electrical Energy Consumption, 2017 - 2018

KÖKSAL N., TEKE A., İNCESU M., Yükseköğretim Kurumları Destekli Proje, Effects Of High Temperature Stress On Enzymatic And Nonenzymatic Antioxidants And Proteins In Strawberry Plants, 2017 - 2018

TEKE A., Timur O., Yükseköğretim Kurumları Destekli Proje, Akıllı Binalarda Enerji İzleme, Analiz ve Yönetimi için Kablosuz Ağ Uygulaması (The Implementation of Wireless Network for Energy Monitoring, Analysis and Management in Smart Buildings), 2016 - 2018

TEKE A., BARGHI LATRAN M., Yükseköğretim Kurumları Destekli Proje, Büyük Ölçekli Şebeke Bağlantılı Fotovoltaik Sistemlerde Çok Seviyeli Çok Fonksiyonlu Evirgeç İçin Çok Amaçlı Kontrol Stratejisinin Optimum Tasarımı ve Araştırılması, 2016 - 2017

TEKE A., ÇELİK Ö., TAN A., Yükseköğretim Kurumları Destekli Proje, Fotovoltaik Sistemlerde Kullanılan MikroEviricilerin MGNİ ile Kontrolü ve Farklı Devre Topolojilerinin Test Edilmesi, 2016 - 2016

TEKE A., YILDIRIM H. B., Yükseköğretim Kurumları Destekli Proje, Meteorolojik veriler kullanılarak Angström Prescott ve Yapay Sinir Ağı yöntemleri ile Doğu Akdeniz Bölgesinde güneş ışınımı tahmini için yeni modellerin oluşturulması (Introducing novel models for estimating global solar radiation in Eastern Mediterranean Region based on Angström Prescott and Artificial Neural Network methods by using meteorological data), 2015 - 2016

TEKE A., Çelik Ö., Yükseköğretim Kurumları Destekli Proje, A NOVEL HYBRID MPPT METHOD FOR GRID CONNECTED PHOTOVOLTAIC SYSTEMS WITH PARTIAL SHADING CONDITIONS, 2014 - 2015

TEKE A., ÇELİK Ö., Yükseköğretim Kurumları Destekli Proje, Aydınlatma Eğitim Setinin Tasarlanması ve Aydınlatma Tekniği Dersinin Bu Eğitim Setiyle Desteklenmesi, 2014 - 2015

TEKE A., ZOR K., Yükseköğretim Kurumları Destekli Proje, DEVELOPING A SOFTWARE TO DETERMINE THE OPTIMUM CAPACITY RATING OF COGENERATION AND TRIGENERATION PLANTS DRIVEN BY GAS ENGINES, 2014 - 2015

TEKE A., TÜBİTAK Projesi, Gaz Motoru Tahrikli Kojenerasyon Ve Trijenerasyon Güç Santrallerinin Lisanssız Elektrik Üretimi İçin Optimum Kapasite Degerini Belirleyen Yazılımın Gelistirilmesi, 2014 - 2015

TEKE A., Yükseköğretim Kurumları Destekli Proje, Design and Simulation of DSTATCOM for Power Quality Improvements, 2013 - 2015

TEKE A., Yükseköğretim Kurumları Destekli Proje, Yenilenebilir Enerji Sistemleri Eğitim Seti Projesi, 2013 - 2014

TÜBİTAK Projesi, Özel Güç Parkının Modellenmesi ve Uygulanması, 2007 - 2010

## Bilimsel Dergilerdeki Faaliyetler

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