

## Doç. Dr. KORHAN KAYIŞLI



### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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### Eğitim Bilgileri

Doktora, Fırat Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği  
Bölümü, Türkiye 2004 - 2012

Yüksek Lisans, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Bilgisayar Eğitimi,  
Türkiye 2001 - 2004

Lisans, Sakarya Üniversitesi, Teknik Eğitim Fakültesi, Elektronik Ve Bilgisayar Eğitimi  
Bölümü, Türkiye 1997 - 2001

### Biyografi

**Dr. Korhan Kayışli** received a BSc degree in electronics education from Sakarya University, Sakarya, Turkey, in 2001, and an MSc degree in Electronics and Computer Science from Fırat University, Elazığ, Turkey, in 2004. He received PhD degree at the area of power electronics in Electric and Electronics Engineering at Fırat University, Elazığ, Turkey, in 2012. He worked as a research assistant between 2002 and 2012. He has worked in Fırat University, Bitlis Eren University, Gelisim University, Nisantasi University, respectively. He is currently an associate professor in the Department of Electrical Electronics Engineering, Engineering Faculty, Gazi University, Ankara, Turkey. He is an IEEE Senior Member. Also, he is the co-editor of International Journal of Renewable Energy Research and International Journal of Engineering Science and Application. He also served as reviewer to many high ranked scientific journals. His fields of interest are power electronics, converter circuits, power factor correction, robust control, and educational technologies. He has published journal and conference papers on these areas. Additionally, he has worked as researcher in two EU mobility projects and other some projects.

### Yaptığı Tezler

Doktora, Birim güç faktörlü dayanıklı dönüştürücü devresinin tasarlanması ve gerçekleştirilmesi, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Elektronik Mühendisliği, 2012

Yüksek Lisans, Asenkron motorun kayma mod algılayıcısız hız kontrolü, Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik, 2004

### Araştırma Alanları

Robotik ve Mekatronik Sistemler, Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma, Yenilenebilir Enerji, Güç Elektroniği, Güç Çevirgeçleri, Güç Kalitesi, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Doç. Dr., Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2023 - Devam Ediyor  
Dr. Öğr. Üyesi, Gazi Üniversitesi, Mühendislik Fakültesi, Elektrik - Elektronik Mühendisliği, 2021 - 2023  
Dr. Öğr. Üyesi, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2016 - 2021  
Yrd. Doç. Dr., İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2013 - 2016  
Dr. Öğr. Üyesi, Bitlis Eren Üniversitesi, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2013

## Akademik İdari Deneyim

Sürekli Eğitim Merkezi Müdür Yardımcısı, Gazi Üniversitesi, Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2022 - Devam Ediyor  
Bölüm Başkanı, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, Mekatronik Mühendisliği Bölümü, 2016 - 2021  
Dekan Yardımcısı, Nişantaşı Üniversitesi, Mühendislik-Mimarlık Fakültesi, 2016 - 2020  
Bölüm Başkanı, İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, Mekatronik Mühendisliği Bölümü, 2013 - 2016  
Dekan Yardımcısı, İstanbul Gelişim Üniversitesi, Mühendislik-Mimarlık Fakültesi, 2013 - 2016  
Enstitü Müdür Yardımcısı, İstanbul Gelişim Üniversitesi, Fen Bilimleri Enstitüsü, 2013 - 2014  
Bölüm Başkanı, Bitlis Eren Üniversitesi, Mühendislik-Mimarlık Fakültesi, Endüstri Mühendisliği Bölümü, 2012 - 2013

## Verdiği Dersler

EE Engineering Design II, Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022  
DYNAMIC BEHAVIOR AND CONTROL OF AC DRIVES, Yüksek Lisans, 2023 - 2024, 2022 - 2023  
Control Systems I, Lisans, 2023 - 2024, 2021 - 2022  
Electrical Motors and Drives, Lisans, 2023 - 2024  
MULTIPOINT POWER CONVERTERS IN SMART GRIDS, Yüksek Lisans, 2021 - 2022  
GÜÇ ELEKTRONİĞİNİN GÜÇ SİSTEMİ UYGULAMALARI, Yüksek Lisans, 2022 - 2023, 2021 - 2022  
POWER ELECTRONIC APPLICATIONS IN SYSTEMS, Yüksek Lisans, 2022 - 2023, 2021 - 2022  
Discrete Time Control Systems, Lisans, 2021 - 2022  
Industrial Control, Lisans, 2022 - 2023, 2021 - 2022

## Yönetilen Tezler

Kayışlı K., Hibrit bir sistemin yüksek verimli ve dayanıklı MPPT denetimi, Yüksek Lisans, R.Zafer(Öğrenci), 2023  
Kayışlı K., DESIGN AND IMPLEMENTATION OF A DC CURRENT SENSOR WITHDC TRANSFORMER, Yüksek Lisans, M.ÇALAR(Öğrenci), 2023

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

1. Predicting LAN switch failures: An integrated approach with DES and machine learning techniques (RF/LR/DT/SVM)  
Kayışlı K.

Results in Engineering, cilt.23, ss.1-14, 2024 (SCI-Expanded)

- II. **PV-MPPT Lab: A GUI-Based Education Tool for MPPT Techniques**  
Kayışlı K., Caglayan R. Z., Colak I.  
IEEE Transactions on Education, cilt.67, sa.3, ss.453-461, 2024 (SCI-Expanded)
- III. **Strain Energy Prediction of Single Wall Carbon Nanotubes Using General Regression Neural Network and Adaptive Neuro-Fuzzy Inference System**  
Eyecioğlu Ö., Kayışlı K., Beken M.  
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.52, sa.8, ss.1437-1447, 2024 (SCI-Expanded)
- IV. **Fuzzy logic-based Energy Management System (EMS) of hybrid power sources: Battery/Super capacitor for electric scooter supply**  
Boumediene S., Nasri A., Hamza T., Hicham C., KAYIŞLI K., Garg H.  
Journal of Engineering Research (Kuwait), cilt.12, sa.1, ss.148-159, 2024 (SCI-Expanded)
- V. **Optimization of Sliding Mode Control for Doubly Fed Induction Generator Systems Using Particle Swarm and Grey Wolf Algorithms**  
Ibrahim B., Abdelkader H., Hartani M. A., KAYIŞLI K.  
Electric Power Components and Systems, cilt.52, sa.10, ss.1782-1795, 2024 (SCI-Expanded)
- VI. **Output Regulation-based Optimal Control System for Maximum Power Extraction of a Machine-side Power Converter in Variable-Speed WECS**  
Sarsembayev B., Zhakiyev N., Kushekkaliyev A., KAYIŞLI K., Do T. D.  
IEEE Access, cilt.12, ss.8422-8431, 2024 (SCI-Expanded)
- VII. **Strain Energy Prediction of Single Wall Carbon Nanotubes Using General Regression Neural Network and Adaptive Neuro-Fuzzy Inference System**  
Eyecioğlu O., KAYIŞLI K., Beken M.  
Electric Power Components and Systems, cilt.52, sa.8, ss.1437-1447, 2024 (SCI-Expanded)
- VIII. **Design of sustainable multi-source power systems using lithium batteries**  
Layadi T. M., Champenois G., Mostefai M., Colak I., KAYIŞLI K.  
Journal of Energy Storage, cilt.60, 2023 (SCI-Expanded)
- IX. **Super twisting sliding mode-type 2 fuzzy MPPT control of solar PV system with parameter optimization under variable irradiance conditions**  
Kayışlı K.  
Ain Shams Engineering Journal, cilt.14, sa.1, 2023 (SCI-Expanded)
- X. **Advanced Control of Three-Phase PWM Rectifier Using Interval Type-2 Fuzzy Neural Network Optimized by Modified Golden Sine Algorithm**  
Acikgoz H., Coteli R., Tanyildizi E., Dandil B., KAYIŞLI K.  
Electric Power Components and Systems, cilt.51, sa.10, ss.933-948, 2023 (SCI-Expanded)
- XI. **An Enhanced Hybrid Rhino Herd-PSO Optimizer for Optimal Technical and Economic Operation of Power Systems Considering Environmental Concerns**  
Taleb N., Bentouati B., Chettih S., Abdelkader H., KAYIŞLI K.  
Electric Power Components and Systems, cilt.51, sa.18, ss.2193-2209, 2023 (SCI-Expanded)
- XII. **Distribution Locational Marginal Price Based Transactive Energy Management in Distribution Systems with Smart Prosumers—A Multi-Agent Approach**  
Amanbek Y., Kalakova A., Zhakiyeva S., Kayisli K., Zhakiyev N., Friedrich D.  
Energies, cilt.15, sa.7, ss.1-18, 2022 (SCI-Expanded)
- XIII. **A DIRECT ADAPTIVE SLIDING MODE HIGH VOLTAGE GAIN PEAK POWER TRACKER FOR THERMOELECTRIC APPLICATIONS**  
BELKAID A., ÇOLAK İ., KAYIŞLI K.  
Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique, cilt.66, sa.2, ss.131-136, 2021 (SCI-Expanded)
- XIV. **A Novel Approach of Perturb and Observe Technique Adapted to Rapid Change of Environmental Conditions and Load**  
Belkaid A., Colak I., Kayisli K.

- ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.48, ss.375-387, 2020 (SCI-Expanded)
- XV. **Backstepping control of a separately excited DC motor**  
Harrouz A., Becheri H., Colak I., Kayisli K.  
ELECTRICAL ENGINEERING, cilt.100, sa.3, ss.1393-1403, 2018 (SCI-Expanded)
- XVI. **Implementation of a modified P&O-MPPT algorithm adapted for varying solar radiation conditions**  
Belkaid A., Colak I., Kayisli K.  
ELECTRICAL ENGINEERING, cilt.99, sa.3, ss.839-846, 2017 (SCI-Expanded)
- XVII. **Closure to "Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS" by M. Cihan Aydin and Korhan Kayisli**  
Aydin M. C., Kayisli K.  
JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.143, sa.7, 2017 (SCI-Expanded)
- XVIII. **A Novel Power Factor Correction System Based on Sliding Mode Fuzzy Control**  
Kayisli K., Tuncer S., Poyraz M.  
ELECTRIC POWER COMPONENTS AND SYSTEMS, cilt.45, sa.4, ss.430-441, 2017 (SCI-Expanded)
- XIX. **Prediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFIS**  
Aydin M. C., Kayisli K.  
JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING, cilt.142, sa.5, 2016 (SCI-Expanded)
- XX. **PMSM Drive Fed by Sliding Mode Controlled PFC Boost Converter**  
Aydogmus O., Deniz E., Kayisli K.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, cilt.39, sa.6, ss.4765-4773, 2014 (SCI-Expanded)
- XXI. **An educational tool for fundamental DC-DC converter circuits and active power factor correction applications**  
Kayisli K., Tuncer S., Poyraz M.  
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, cilt.21, sa.1, ss.113-134, 2013 (SCI-Expanded)
- XXII. **Internet journalism in cyberculture and its effect on adult attitude**  
Kayisli K.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES, cilt.4, sa.3, ss.1535-1546, 2012 (SCI-Expanded)
- XXIII. **Hidden Programme and Application Development in Web based Education**  
SEVİNDİK T., GÜROL A., KAYIŞLI K., BAŞAL A.  
Procedia - Social and Behavioral Sciences (Elsevier), cilt.2, sa.2, ss.5114-5119, 2010 (SSCI)
- XXIV. **Semantic Web and Its Reflections in Distance Education**  
SEVİNDİK T., KAYIŞLI K., ÜNLÜKAHRAMAN O.  
Procedia - Social and Behavioral Sciences (Elsevier), cilt.2, sa.2, ss.5109-5113, 2010 (SSCI)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Pioneering Battery-Supercapacitor Hybrid Energy Management for E-Scooters for Sustainable Urban Transportation**  
SAIED B., Nasri A., Tedjini H., Hicham C., KAYIŞLI K.  
PRZEGLAD ELEKTROTECHNICZNY, cilt.2024, sa.4, ss.113-117, 2024 (ESCI)
- II. **Smart Power Conditioning Unit Utilizing Enhanced Inc-Con MPPT for Photovoltaic Power Plants**  
BELKAID A., KAYIŞLI K., ÇOLAK İ., HADJI S., GUENOUNOU O.  
International Journal of Smart grid, cilt.8, sa.1, ss.41-45, 2024 (Hakemli Dergi)
- III. **DEEP RECURRENT NEURAL NETWORKS IN ENERGY DEMAND FORECASTING: A CASE STUDY OF KAZAKHSTANS ELECTRICAL CONSUMPTION**  
Kabdygali S., Omirgaliyev R., Tursynbayev T., KAYIŞLI K., Zhakiyev N.  
SEXES, cilt.16, ss.16-29, 2023 (Hakemli Dergi)
- IV. **A Comparative Analysis of P&O, IC and Supertwisting Sliding Mode based MPPT methods for PV and Fuel Cell sourced Hybrid System**

Caglayan R. Z., KAYIŞLI K., Roscia M., Belkaid A., Nasri A.

International Journal of Renewable Energy Research, cilt.13, sa.3, ss.1431-1442, 2023 (ESCI)

- V. **Twisting Sliding Mode Control based Maximum Power Point Tracking**  
KAYIŞLI K., ÇAĞLAYAN R. Z.  
Balkan Journal of Electrical and Computer Engineering, cilt.10, sa.4, ss.356-362, 2022 (Hakemli Dergi)
- VI. **Blockchain-Based Decentralized Peer-to-Peer Negawatt Trading in Demand-Side Flexibility Driven Transactive Energy System**  
Zhanbolatov A., Zhakiyeva S., Zhakiyev N., KAYIŞLI K.  
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.12, sa.3, ss.1475-1483, 2022 (ESCI)
- VII. **A Review of Hybrid Renewable Energy Systems and MPPT Methods**  
ÇAĞLAYAN R. Z., KAYIŞLI K., Zhakiyev N., HARROUZ A., ÇOLAK İ.  
International Journal of Smart Grid - ijSmartGrid, cilt.6, sa.3, ss.72-82, 2022 (Hakemli Dergi)
- VIII. **Power Stabilization with STATCOM on DFIG Based Wind Farm for Renewable Energy**  
HARROUZ A., KAYIŞLI K., Houcien B., ÇOLAK İ.  
Algerian Journal of Renewable Energy and Sustainable Development, cilt.4, sa.1, ss.84-93, 2022 (Hakemli Dergi)
- IX. **A Novel Method of Electric Scooter Torque Estimation Using the Space Vector Modulation Control**  
Hicham C., Nasri A., KAYIŞLI K.  
International Journal of Renewable Energy Development, cilt.10, sa.2, ss.355-364, 2021 (ESCI)
- X. **NON-LINEAR BACKSTEPPING SPEED CONTROL FOR ASIAN ELECTRIC SCOOTER USES**  
Hicham C., Nasri A., KAYIŞLI K.  
JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, cilt.13, sa.1, ss.400-423, 2021 (Hakemli Dergi)
- XI. **Fuzzy Logic Speed Control for Three-Wheel Electric Scooter**  
Hicham C., Nasri A., KAYIŞLI K.  
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, cilt.9, sa.3, ss.1443-1452, 2019 (Scopus)
- XII. **Design and Implementation of a Cuk Converter Controlled by a Direct Duty Cycle INC-MPPT in PV Battery System**  
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.  
International Journal of Smart Grid, cilt.3, sa.1, ss.18-24, 2019 (Hakemli Dergi)
- XIII. **Speed control of three-wheel electric scooter with fuzzy logic control**  
Hicham C., Nasri A., KAYIŞLI K.  
International Journal of Renewable Energy Research, cilt.9, sa.3, ss.1443-1450, 2019 (ESCI)
- XIV. **Modeling of a Permanent Magnet Synchronous Generator in a Power Wind Generation System with an Electrochemical Energy Storage**  
BELKAID A., ÇOLAK İ., KAYIŞLI K., BAYINDIR R.  
International Journal of Smart Grid, cilt.2, sa.4, ss.197-202, 2018 (Hakemli Dergi)
- XV. **Performance comparison of different maximum power point trackers for photovoltaic system under fast varying of environmental conditions**  
BELKAID A., ÇOLAK İ., KAYIŞLI K.  
Revue des Energies Renouvelables, cilt.21, sa.4, ss.601-621, 2018 (Hakemli Dergi)
- XVI. **Implementation of a Humanoid Robotic Hand**  
Tezel C., KAYIŞLI K., Günay O.  
International Journal of Engineering Science and Application, cilt.1, sa.4, ss.137-141, 2017 (Hakemli Dergi)
- XVII. **3 Serbestlik Dereceli Bir Robot Kolun Bulanık Mantık ve PID ile Kontrolü**  
KAYIŞLI K., UĞUR M.  
Gazi Üniversitesi Fen Bilimleri Dergisi Part C: Tasarım ve Teknoloji, cilt.5, sa.4, ss.223-234, 2017 (Hakemli Dergi)
- XVIII. **Sliding Mode Control of Vehicle Suspension System under Different Road Conditions**  
KAYIŞLI K., KARAMAN V.  
International Journal of Engineering Science and Application, cilt.1, sa.2, ss.72-77, 2017 (Hakemli Dergi)
- XIX. **Design and Implementation of a Tank Rescue Robot Controlled With Android Software**  
KAYIŞLI K., Tezel C., Günay O., Demir E.  
INTERNATIONAL JOURNAL of ENGINEERING SCIENCE AND APPLICATION, cilt.1, sa.1, ss.18-23, 2017 (Hakemli

Dergi)

- XX. **Web Based Education for Power Electronics Supported with Animations**  
KAYIŞLI K.  
Technics Technologies Education Management, cilt.8, sa.4, ss.1780-1789, 2013 (Hakemli Dergi)
- XXI. **Comparison of Reflective Thinking Profiles of Individuals using Social Networks for Education in terms of Time Variable**  
KAYIŞLI K., SEVİNDİK T., HAZAR H.  
The Online Journal of Distance Education and e-Learning, cilt.1, sa.1, ss.26-32, 2013 (Hakemli Dergi)
- XXII. **Web Tabanlı Eğitimde Veri Madenciliği**  
SEVİNDİK T., KAYIŞLI K., ÜNLÜKAHRAMAN O.  
Turkish Journal of Computer and Mathematics Education, cilt.3, sa.3, ss.183-193, 2012 (Hakemli Dergi)
- XXIII. **Kayma Mod ile Asenkron Motorun Algılayıcısız Hız Kontrolü**  
KAYIŞLI K., GÜLDEMİR H.  
Bitlis Eren Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.1, sa.2, ss.92-106, 2012 (Hakemli Dergi)
- XXIV. **Kayma Mod Denetleyici Kullanılarak Aktif Güç Faktörü Düzeltimi**  
KAYIŞLI K., TUNCER S., POYRAZ M.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, cilt.14, sa.1, ss.253-260, 2008 (Hakemli Dergi)
- XXV. **Mesleki Eğitimde Uzaktan Eğitim Yoluyla Bilgisayar Destekli Tasarım ve Paylaşım**  
SEVİNDİK T., KAYIŞLI K.  
DAUM, cilt.5, sa.1, ss.27-29, 2006 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **Blockchain and smart charging infrastructure of electric vehicles**  
Lazaroiu G. C., Roscia M., Dumbrava V., KAYIŞLI K.  
Holistic Approach for Decision Making Towards Designing Smart Cities, Lazaroiu George Cristian, Roscia Mariacristina, Dancu Vasile Sebastian, Editör, Springer International Publishing, California, ss.175-198, 2022

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Artificial Intelligent Applications in Smart Cities**  
ÇAĞLAYAN R. Z., KAYIŞLI K., ÇÖTELİ R., Omirgaliyev R., Zhakiyev N.  
2024 IEEE 4th International Conference on Smart Information Systems and Technologies (SIST), Astana, Kazakistan, 15 - 17 Mayıs 2024, ss.467-472
- II. **High Gain Voltage SEPIC Converter for PV System**  
HADJI S., BELKAID A., larbi l., ÇOLAK İ., KAYIŞLI K., Aissou S.  
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.618-622
- III. **Supervised Artificial Neural Networks by Field-Oriented Control applied to PMSG-based Variable-Speed Wind Turbine**  
AOUMRI M., HARROUZ A., Ibrahim Y., ÇOLAK İ., KAYIŞLI K., Dumbrava V.  
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.187-191
- IV. **A Comparative Analysis of Cuk, SEPIC, and Zeta Converters as Maximum Power Point Trackers**  
HADJI S., BELKAID A., KAYIŞLI K., ÇOLAK İ., Aissou S., larbi l.  
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.539-544
- V. **Delay-Dependent Stability Analysis of Micro-Grid with Electric Vehicles Aggregator using Direct Method**

Dakhil S. A., Al-Shalah M., AYASUN S., KAYIŞLI K.

2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.107-111

- VI. **Robust Active and Reactive Power Control by using Single-Phase Grid connected H-Bridge Inverter**  
ÇÖTELİ R., KAYIŞLI K., ÇAĞLAYAN R. Z.  
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.614-617
- VII. **Comparative Study of Different Deep Learning Approaches for State of Charge Estimation in Lithium Iron Phosphate Battery**  
Korbaa N. E. H., BOUCHETATA N., BELARBI A. W., KAYIŞLI K., KAPLAN O.  
2024 12th IEEE International Conference on Smart Grid (icSmartGrid), Setúbal, Portekiz, 27 - 29 Mayıs 2024, ss.714-718
- VIII. **TEG & Fuel Cell Hybrid System with Sliding Mode Control Based MPPT**  
Çağlayan R. Z., Kayışlı K., Belkaid A., Çolak İ., Nasri A.  
2023 12th IEEE International Conference on Renewable Energy Research and Applications (ICRERA), Oshawa, Kanada, 29 Ağustos - 01 Eylül 2023, ss.324-330
- IX. **Enhanced Control of DFIG Power under Variable Wind Speed Adopting Offline Tuning based GWO Approach**  
İbrahim B., HARROUZ A., Farid M., İbrahim Y., ÇOLAK İ., KAYIŞLI K., Dumbrava V.  
2023 11th IEEE International Conference on Smart Grid (icSmartGrid), Paris, Fransa, 4 - 07 Haziran 2023, ss.207-213
- X. **Synchronous Reference Frame Control of Transformer Based DC mA Current Sensor**  
Calar M., KAYIŞLI K.  
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, Fransa, 4 - 07 Haziran 2023
- XI. **PV&TEG Hybrid System controlled with Fuzzy based MPPT**  
Caglayan R. Z., KAYIŞLI K., Roscia M., Harrouz A., BAYINDIR R., Colak I.  
11th International Conference on Smart Grid, icSmartGrid 2023, Paris, Fransa, 4 - 07 Haziran 2023
- XII. **A Case Study: Standalone Hybrid Renewable Energy Systems**  
ÇAĞLAYAN R. Z., KAYIŞLI K., Zhakiyev N., HARROUZ A., ÇOLAK İ.  
2022 11th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Türkiye, 18 Eylül 2022, ss.284-292
- XIII. **Fuzzy-MPPT Controller Based Solar Shunt Active Power Filter**  
Sarraf M., BELKAID A., ÇOLAK İ., Boudechiche G., KAYIŞLI K.  
2022 11th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Türkiye, 18 Eylül 2022, ss.436-440
- XIV. **Smart Contracts for Households Managed by Smart Meter Equipped with Blockchain and Chain 2**  
Lazaroiu G. C., KAYIŞLI K., Roscia M., Steriu I. A.  
2022 11th IEEE International Conference on Renewable Energy Research and Applications, İstanbul, Türkiye, 18 Eylül 2022, ss.340-345
- XV. **A Multi-Carrier Energy Method for Self-Consumption Enhancement in Smart Residential Buildings**  
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- XVI. **Multi Input-Multi Output (MIMO) converter system fed by Wind Energy**  
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- XVII. **Robust Sensor-less SMC under Variable-Speed Wind Turbine Systems of DFIG based on FKE**  
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- XIX. **Photovoltaic/Wind Hybrid System Power Stations to Produce Electricity in Adrar Region**  
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- XX. **Fuzzy-Sliding Mode Control Second Order of Wind Turbine Based on DFIG**  
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- XXI. **Servomechanism based Optimal Control System Design for Maximum Power Extraction from WECS with PMSG**  
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- XXII. **3-Phase Multi-Pulse Rectifiers with Different Phase Shifting Transformers and Comparison of Total Harmonic Distortion**  
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- XXVI. **Reducing Voltage and Frequency Fluctuations in Power Systems using Smart Power Electronics Technologies: A Review**  
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- XXVII. **Social Acceptance of Renewable Energy dedicated to Electric Production**  
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- XXVIII. **Reliable Power Flow Control in Parallel Transmission Lines Based on UPFC**  
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- XXX. **Improving PV System Performance using High Efficiency Fuzzy Logic Control**  
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- XXXI. **Modeling and Simulation of Polycrystalline Silicon Photovoltaic Cells**  
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- XXXII. **Robust Controller Based on Sliding Mode Technique of DFIG Integrated to Wind Energy System**  
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- XXXIII. **DTC Control of the DFIG, Application to the Production of Electrical Energy**  
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- XXXIV. **Performance Comparison of Different Machine Learning Algorithms on the Prediction of Wind Turbine Power Generation**  
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- XXXVII. **Performance Enhancement of Hybrid Solar PV-Wind System Based on Fuzzy Power Management Strategy: A Case Study**  
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- XXXVIII. **Information Systems and Renewable Energy in Algeria**  
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- XLV. **Smart grid and renewable energy in Algeria**  
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## Bilimsel Kuruluşlardaki Üyelikler / Görevler

## Bilimsel Hakemlikler

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## **Etkinlik Organizasyonlarındaki Görevler**

Kayışlı K., Energy Systems, Artificial Intelligence, Plasma, Materials and Environment (ESAIPME'2024), Bilimsel Kongre / Sempozyum Organizasyonu, Ghardaia, Cezayir, Ekim 2024

Kayışlı K., ICSMARTGRID 2024 12TH IEEE INTERNATIONAL CONFERENCE ON SMART GRID, Bilimsel Kongre / Sempozyum Organizasyonu, Setúbal, Portekiz, Mayıs 2024

Kayışlı K., Sixth International Conference on Electrotechnics ICEL'23, Bilimsel Kongre / Sempozyum Organizasyonu, Oran, Cezayir, Kasım 2023

Kayışlı K., ICRERA 2022 11TH IEEE INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Bilimsel Kongre / Sempozyum Organizasyonu, Oshawa, Kanada, Eylül 2023

Kayışlı K., ICSMARTGRID 2023 11TH IEEE INTERNATIONAL CONFERENCE ON SMART GRID, Bilimsel Kongre / Sempozyum Organizasyonu, Paris, Fransa, Haziran 2023

Kayışlı K., 2023 IEEE International Conference on Smart Information Systems and Technologies (SIST), Bilimsel Kongre / Sempozyum Organizasyonu, Astana, Kazakistan, Mayıs 2023

Kayışlı K., ICRERA 2022 11TH INTERNATIONAL CONFERENCE ON RENEWABLE ENERGY RESEARCH AND APPLICATIONS, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Eylül 2022

Kayışlı K., ICSMARTGRID 2022 10TH INTERNATIONAL CONFERENCE ON SMART GRID, Bilimsel Kongre / Sempozyum Organizasyonu, İstanbul, Türkiye, Haziran 2022

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## **Metrikler**

Yayın: 106  
Atıf (WoS): 447  
Atıf (Scopus): 740  
H-İndeks (WoS): 12  
H-İndeks (Scopus): 14

## **Kongre ve Sempozyum Katılımı Faaliyetleri**

Sixth International Conference on Electrotechnics ICEL'23, Davetli Konuşmacı, Oran, Cezayir, 2023