

## Asst. Prof. Burak AKIN

### Personal Information

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### International Researcher IDs

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ScopusID: 36968992300

Yoksis Researcher ID: 20991

### Education Information

Doctorate, Ytü, Turkey 2001 - 2008

### Foreign Languages

English, C1 Advanced

### Research Areas

Electrical and Electronics Engineering, Energy, Renewable energy, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2013 - 2018

Research Assistant, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 1999 - 2013

### Academic and Administrative Experience

DGS Komisyon Başkanı, Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2020 - Continues

Ulusal-Uluslararası Bilimsel Etkinlik Düzenleme Komisyonu, Yildiz Technical University, Faculty of Electrical & Electronics, 2018 - Continues

Akademik Yükseltme ve Atama Ölçütleri İzleme,Değerlendirme Komisyonu, Yildiz Technical University, Faculty Of Electrical & Electronics, 2016 - 2021

Lisans Eğitim-Öğretim Geliştirme Komisyonu, Yildiz Technical University, Faculty Of Electrical & Electronics, 2016 - 2021  
Deputy Head of Department, Yildiz Technical University, Faculty Of Electrical & Electronics, 2019 - 2020

## Courses

sayısal sistemler, Undergraduate, 2021 - 2022

elektrik mak. kontrolü, Undergraduate, 2021 - 2022

Anahtarlamalı güç kaynak tasarımı, Postgraduate, 2021 - 2022

ELEKTRONİK, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

ELEKTRİK MAK. KONTROLÜ, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

SEMİNER , Postgraduate, 2020 - 2021

Çok Disiplinli Tasarım Projesi, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

SAYISAL SİSTEMLER, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

ANAHTARLAMALI GÜÇ KAYNAKLARI, Doctorate, 2020 - 2021, 2018 - 2019, 2017 - 2018

YENİLENEBİLİR ENERJİ SİST İÇİN GÜÇ ELEKTRONİĞİ, Undergraduate, 2019 - 2020, 2017 - 2018

Uzmanlık Alan Dersi (Doktora), Doctorate, 2020 - 2021

Elektrik Makinalarında Modern Kontrol Yöntemleri, Undergraduate, 2017 - 2018

## Advising Theses

Akın B., Otomotiv Sektörüne Yönelik Batarya Yönetim Sistemi Geliştirilmesi, Postgraduate, U.ŞAHİN(Student), Continues

Akın B., Yüksek Frekanslı Dönüştürücülerin Elektro Manyetik Uyumluluk, Postgraduate, S.KOÇER(Student), Continues

Akın B., Buck-Boost Converter Design and Application for Stand Alone Photovoltaic to Battery Energy Transfer System, Doctorate, I.DAGAL(Student), Continues

Akın B., Yenilenebilir enerji kaynakları için çok fazlı aralıklı yükseltici dönüştürücülerin performans analizi ve en uygun topoloji seçimi, Postgraduate, R.ERDAĞ(Student), 2024

Akın B., Çığ Fotodiyot Sürme Devresinin Gerçekleştirilmesi, Postgraduate, M.ÇAVUŞOĞLU(Student), 2020

Akın B., Anahtarlamalı güç kaynağı devresinin tasarım ve uygulaması, Postgraduate, Ü.TANRIKULU(Student), 2019

Akın B., LLC Rezonans Dönüştürücü Tasarımı, Postgraduate, Y.EMRE(Student), 2019

Akın B., Led Sürücü Devresinin Tasarım ve Simülasyonu, Postgraduate, m.tuncer(Student), 2019

Akın B., LED sürme devrelerinin incelenmesi, simülasyonda karşılaştırılması ve izolasyonlu bir uygulama devresinin gerçekleştirilmesi, Postgraduate, S.AKDENİZ(Student), 2018

Akın B., Maximum power point tracking controlled boost converter design for battery charger, Postgraduate, B.AL(Student), 2018

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

- I. **Adaptive Stochastic Gradient Descent (SGD) for erratic datasets**  
Dagal I., Tanrıöven K., Nayir A., Akın B.  
FUTURE GENERATION COMPUTER SYSTEMS, vol.1, no.1, pp.1-11, 2024 (SCI-Expanded)
- II. **A modified multi-stepped constant current based on gray wolf algorithm for photovoltaics applications**  
Dagal I., AKIN B., Dari Y. D.  
Electrical Engineering, vol.106, no.4, pp.3853-3867, 2024 (SCI-Expanded)
- III. **An improved constant current step-based grey wolf optimization algorithm for photovoltaic systems**  
Dagal I., AKIN B., Dari Y. D.  
Journal of Intelligent and Fuzzy Systems, vol.46, no.4, pp.8441-8460, 2024 (SCI-Expanded)
- IV. **MPPT mechanism based on novel hybrid particle swarm optimization and salp swarm optimization algorithm for battery charging through simulink**  
Dagal I., Akın B., Akboy E.  
Scientific Reports, vol.12, no.1, 2022 (SCI-Expanded)

- V. **A novel hybrid series salp particle Swarm optimization (SSPSO) for standalone battery charging applications**  
Dagal I, Akn B., Akboy E.  
Ain Shams Engineering Journal, vol.13, no.5, 2022 (SCI-Expanded)
- VI. **Improved salp swarm algorithm based on particle swarm optimization for maximum power point tracking of optimal photovoltaic systems**  
Dagal I, Akn B., Akboy E.  
International Journal of Energy Research, vol.46, no.7, pp.8742-8759, 2022 (SCI-Expanded)
- VII. **MPPT Controlled Battery Charger Design and Simulation**  
al hanahi B., AKIN B.  
IEEE-Asme Transactions On Mechatronics, 2018 (SCI-Expanded)
- VIII. **Soft switched SVPWM controlled PRDCL inverter**  
AKIN B., SARUL M. H.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17886-17894, 2017 (SCI-Expanded)
- IX. **Preface to the special issue on "The 4th European Conference on Renewable Energy Systems (ECRES 2016), 28-31 August 2016, Istanbul, Turkey"**  
Kurt E., Bizon N., Altin N., AKIN B.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.28, pp.17559-17560, 2017 (SCI-Expanded)
- X. **An Improved ZVT-ZCT PWM DC-DC Boost Converter With Increased Efficiency**  
Akin B.  
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.29, no.4, pp.1919-1926, 2014 (SCI-Expanded)
- XI. **PV to PEV Power Transfer for Standalone Solar Power System**  
AKIN B.  
PRZEGLAD ELEKTROTECHNICZNY, vol.89, pp.306-308, 2013 (SCI-Expanded)
- XII. **A New Single-Phase Soft-Switching Power Factor Correction Converter**  
AKIN B., BODUR H.  
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.26, no.2, pp.436-443, 2011 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Transformer rail-tapped buck-boost converter design-based feedback controller for battery charging systems**  
Dagal I, AKIN B.  
ENERGY STORAGE, vol.5, no.3, 2023 (ESCI)
- II. **Improved particle swarm optimization based on buck-boost converter (IPSO-BBC) for photovoltaic system applications**  
Dagal I, Akn B.  
Recent Advances in Science and Engineering, vol.2, no.2, pp.42-48, 2022 (Peer-Reviewed Journal)
- III. **DESIGN and ANALIYSIS OF A FLYBACK CONVERTER WITH IMPROVED SNUBBER CELLS**  
TANRIKULU Ü., AKBOY E., AKIN B.  
Sigma Journal of Engineering and Natural Sciences, vol.38, no.4, pp.2205-2216, 2020 (ESCI)
- IV. **DESIGN AND ANALYSIS OF A FLYBACK CONVERTER WITH IMPROVED SNUBBER CELLS**  
Tanrikulu U., AKBOY E., AKIN B.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.38, no.4, pp.2205-2216, 2020 (ESCI)
- V. **Snubber Circuit Application for Power Factor Correction Flyback Led Driver**  
Akn B.  
ELECTRICA, vol.20, no.1, 2019 (Scopus)
- VI. **ENERGY TRANSFER FROM THE PV PANEL TO BATTERY VIA BUCK-BOOST CONVERTER**  
dagal i., AKIN B.

MATTER: International Journal of Science and Technology, 2019 (Peer-Reviewed Journal)

VII. **ZVT ZCT PWM DC DC BOOST CONVERTER WITH IMPROVED EFFICIENCY WITH LOW CURRENT STRESS**

AKIN B.

International Journal of Industrial Electronics and Electrical Engineering (IJIEEE), vol.4, pp.93-97, 2016 (Peer-Reviewed Journal)

VIII. **ELEKTRİKLİ ARABALARDA KULLANILAN Lİ-İON AKÜLERİN TEK FAZDAN HIZLI VE VERİMLİ ŞARJI İÇİN GÜÇ FAKTÖRÜ DÜZELTMELİ YÜKSELTİCİLERİN KARŞILAŞTIRMASI**

AKIN B.

EMO Bilimsel Dergi, vol.2, no.4, pp.87-93, 2012 (Non Peer-Reviewed Journal)

IX. **Elektrikli Arabalarda Kullanılan Li-ion Akülerin Tek Fazdan Hızlı ve Verimli Şarjı için Güç Faktörü Düzeltmeli Yükselticilerin Karşılaştırması**

AKIN B.

EMO Bilimsel Dergi, 2012 (Peer-Reviewed Journal)

X. **Tek Fazlı Birim Güç Faktörü Düzeltmeli Alternatif Akım-Doğru Akım Dönüştürücü**

AKIN B.

3E ELECTROTECH Dergisi, no.165, pp.194-202, 2008 (Non Peer-Reviewed Journal)

XI. **Anahtarlama Rezonanslı DC-DC Dönüştürücüler**

BODUR H., AKSOY İ., AKIN B.

Kaynak Elektrik, no.160, pp.104-112, 2002 (Peer-Reviewed Journal)

XII. **DC-DC Dönüştürücülerde Yumuşak Anahtarlama Teknikleri**

BODUR H., AKSOY İ., AKIN B.

Kaynak Elektrik, no.158, pp.100-108, 2002 (Peer-Reviewed Journal)

XIII. **Yarı İletken Güç Dönüştürücüleri ve Güç Elektronikleri Endüstriyel Uygulamaları**

BODUR H., AKSOY İ., AKIN B.

Kaynak Elektrik, no.126, pp.106-119, 1999 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **18. Gazların Kinetik Teorisi**

Akın B.

in: Fen ve Mühendisler için Fizik, D. Esra Yıldız,Erol Kurt,H. Hilal Kurt, Editor, Nobel Yayın Dağıtım, Ankara, pp.1-17, 2015

II. **17. Sıcaklık, Isı ve Isı Transferi**

Akın B.

in: Fen ve Mühendisler için Fizik, D. Esra Yıldız,Erol Kurt,H. Hilal Kurt, Editor, Nobel Yayın Dağıtım, Ankara, pp.1-17, 2015

III. **19. Termodinamiğin Birinci ve İkinci Yasaları**

Akın B.

in: Fen ve Mühendisler için Fizik, D. Esra Yıldız,Erol Kurt,H. Hilal Kurt, Editor, Nobel Yayın Dağıtım, Ankara, pp.1-17, 2015

## Refereed Congress / Symposium Publications in Proceedings

I. **AUXILIARY CIRCUITS USED TO ELIMINATE THE DISADVANTAGES OF FLYBACK DC-DC CONVERTERS**

AKIN B., ÇETİN E.

INTERNATIONAL AEGEAN SCIENTIFIC STUDIES CONGRESS, 23 - 25 November 2024

II. **ELEKTRİKLİ ARAÇLAR İÇİN YÜKSEK VERİMLİ ÇİFT YÖNLÜ ENERJİ TRANSFER SİSTEMİ**

ÇOBAN M., AKIN B.

7. ULUSLARARASI MÜHENDİSLİK BİLİMLERİ VE MULTİDİSİPLİNER YAKLAŞIMLAR KONGRESİ, 25 - 26 May 2024

- III. **FOR FUEL CELL ELECTRIC VEHICLE APPLICATIONS PERFORMANCE ANALYSIS OF MULTI-PHASE INTERLEAVED BOOST CONVERTER AND SELECTION OF THE MOST SUITABLE PHASE**  
ERDAĞ R., AKIN B.  
ASES VIII. INTERNATIONAL HEALTH, ENGINEERING AND SCIENCES CONFERENCE, 6 - 07 April 2024
- IV. **FOR RENEWABLE ENERGY SOURCES PERFORMANCE ANALYSIS OF MULTIPHASE INTERLEAVED BOOST CONVERTER AND SELECTION OF THE MOST SUITABLE PHASE**  
ERDAĞ R., AKIN B.  
ASES VIII. INTERNATIONAL HEALTH, ENGINEERING AND SCIENCES CONFERENCE, 6 - 07 April 2024
- V. **Atomic Search Optimization Feature Selection for Aircraft Winglet Design**  
Dagal I., Karmouni H., Dari Y. D., Qjidaa H., Ouazzani M. J., Akn B., Sayyouri M.  
INTERNATIONAL CONGRESS SUSTAINABLE BUILDINGS AND CITIES, Ad-Dar-Al-Bayda, Morocco, 11 May 2023
- VI. **SAYISAL KONTROLLÜ DÜŞÜK-YÜKSEK ÇIKIŞLI DÖNÜŞTÜRÜCÜ TASARIM VE UYGULAMASI**  
KEHRİBAR M. S., AKIN B.  
2. INTERNATIONAL DICLE SCIENTIFIC STUDIES AND INNOVATION CONGRESS, Turkey, 28 May 2022
- VII. **Elektrikli Araçlarda Kullanılan Modüler Batarya Paketleri için Modül Kontrol Ünitesi Tasarımı**  
Şahin U., Akın B.  
7. Uluslararası Akademik Araştırmalar Kongresi, 24 - 26 January 2022, pp.133-134
- VIII. **Yarım Köprü Rezonanslı Dönüştürücünün Analizi ve Çalışma Prensibinin İncelenmesi**  
Çağlar M., Akın B.  
6. Uluslararası Mühendislik, Mimarlık ve Tasarım Kongresi, İstanbul, Turkey, 17 - 18 December 2020, pp.583-592
- IX. **BATTERIES CHARGING TYPES AND THEIR APPLICATIONS**  
dagal i., AKIN B., Bio G.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, 17-19 DECEMBER 2019, 16 - 18 December 2019
- X. **COMPARISON OF DC-DC CONVERTERS FOR THE AVALANCHE PHOTODIODE (APD) DRIVE SYSTEM**  
AKIN B., çavuşoğlu m.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, 17-19 DECEMBER 2019, 16 - 18 December 2019
- XI. **LEAD ACID BATTERY MODELS AND CURVES CHARACTERISTICS IN DIFFERENT CHARGE AND DISCHARGE STATES WITH VARYING CURRENTS FOR PHOTOVOLTAIC SYSTEM APPLICATIONS**  
dagal i., AKIN B., Bio G.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, 17-19 DECEMBER 2019, 16 - 18 December 2019
- XII. **Anahtarlamalı Güç Kaynağı Devrelerinin Tasarım ve Uygulamalarının Karşılaştırılması**  
tanrıkulu ü., AKIN B.  
THE INTERNATIONAL ALUMINIUM-THEMED ENGINEERING AND NATURAL SCIENCES CONFERENCE, 4 - 06 October 2019
- XIII. **Anahtarlamalı Güç Kaynağı Devresinin Tasarımı ve Uygulaması**  
tanrıkulu ü., AKIN B.  
The International Aluminium-Themed Engineering and Natural Sciences Conference, 4 - 06 October 2019
- XIV. **Energy transfer from Photovoltaic solar panel to Battery for standalone system application via maximum power point tracker (MPPT) Buck-Boost Converter**  
dagal i., AKIN B.  
International Conference on Science Technology Research, 8 - 09 August 2019
- XV. **Led Sürücü Devresinin Tasarım ve Simülasyonu**  
TUNCER M., AKIN B.  
ICELIS2019, 11 - 14 April 2019
- XVI. **IMPLEMENTATION OF 480W LLC RESONANT CONVERTER**  
BULUT Y. E., AKIN B., AŞÇI M.  
ISESER2019, 25 - 27 May 2019

- XVII. INTRINSIC AND EXTRINSIC VARYING EFFECTS ON PHOTOVOLTAIC SOLAR PANEL PARAMETERS FOR I-V AND P-V CURVES CHARACTERISTICS BY MATLAB/SIMULINK**  
AKIN B., daga l i.  
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, 19 December 2019 - 21 December 2018
- XVIII. ANALYSIS OF POWER LED DRIVING CIRCUITS, SIMULATION COMPARISONS AND ONE APPLICATION OF ISOLATED LED DRIVER CIRCUIT**  
akdeniz s., AKIN B.  
6. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 25 June 2017 - 27 June 2018
- XIX. MPPT CONTROLLED DC-DC CONVERTER DESIGN AND APPLICATION FOR THREE STAGES BATTERY CHARGER**  
al hanahi B., AKIN B.  
6. EUROPEAN CONFERENCE ON RENEWABLE ENERGY SYSTEMS, 25 - 27 June 2018
- XX. MPPT Controlled Converter Design and Simulation for Solar Charger Application**  
bassam y., AKIN B.  
International Advanced Researches Engineering Congress-2017, 16 - 18 November 2017
- XXI. Non Isolated Bi-Directional PFC Dual Boost Converter For An Electrical Vehicle Battery Charge Unit**  
AKIN B., SARUL M. H.  
1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING icte2017, 25 - 28 April 2017
- XXII. MULTIPLE OUTPUT FLYBACK CONVERTER AS LOW SCALE HELICOPTER POWER SUPPLY**  
AKIN B., daga l i.  
1th INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING icte2017, 25 - 28 April 2017
- XXIII. A REVIEW OF POWER CONVERTERS FOR RENEWABLE ENERGY SOURCES**  
AKIN B.  
ECRES 2016, 28 - 31 August 2016
- XXIV. ZVT ZCT PWM DC DC Boost Converter with High Efficiency**  
AKIN B.  
2016 IIER 58th International Conference on Recent Innovations in Engineering and Technology (ICRIET), 18 - 19 April 2016
- XXV. AC DC Dönüştürücü Tabanlı Güç Faktörü Düzeltme Devresi Tasarımı ve Uygulaması**  
ŞAHİN E., AKIN B.  
8. Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Turkey, 27 - 29 November 2014
- XXVI. AC DC Dönüştürücü Tabanlı Güç Faktörü Düzeltme Devresi Tasarımı ve Uygulaması**  
ŞAHİN E., AKIN B.  
8. Elektrik, Elektronik, Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Turkey, 15 - 17 July 2014
- XXVII. High Efficient Induction Heating System European Workshop on Renewable Energy Systems**  
AKIN B.  
EWRES2013, 5 - 10 September 2013
- XXVIII. Solar Power System Design and Cost Analysis For A Single House**  
AKIN B.  
01 September 2013
- XXIX. High Efficient Induction Heating System**  
AKIN B.  
01 September 2013
- XXX. Solar power charger with universal USB output**  
AKIN B.  
IICPE2012, 01 December 2012, vol.1, pp.1-4
- XXXI. SOLAR WATER HEATER WITH SOLAR POWERED BOILER**  
AKIN B.  
01 September 2012
- XXXII. Comparison Of Conventional And Interleaved PFC Boost Converters For Fast And Efficient Charge Of**

## **Li ion Batteries Used in Electrical Cars**

AKIN B.

ICPES 2012, 20 - 22 May 2012

### **XXXIII. COMPARİSON OF CONVENTİONAL AND INTERLEAVED PFC BOOST CONVERTERS FOR FAST AND EFFİCİENT CHARGE OF Lİ-İON BATTERİES USED İN ELECTRICAL CARS**

AKIN B.

01 April 2012

### **XXXIV. ELEKTRİKLİ ARABALARDA KULLANILAN Lİ-İON AKÜLERİN TEK FAZDAN HIZLI VE VERİMLİ ŞARJI İÇİN GÜÇ FAKTÖRÜ DÜZELTMELİ DUAL BOOST DÖNÜŞTÜRÜCÜ**

AKIN B.

ELEKTRİK- ELEKTRONİK- BİLGİSAYAR SEMPOZYUMU, 01 October 2011, vol.1, pp.163-167

### **XXXV. Active Snubber Components Optimization for ZVT ZCT Soft Switched PFC Converter**

AKIN B., AKSOY İ.

2011 International Conference on Consumer Electronics, Communications and Networks (CECNet), 15 - 17 May 2011

### **XXXVI. Fast And Efficient Single Phase Power Factor Charger for Dual Boost Converter Used in Li ion Batteries in Electric Cars**

AKIN B.

Elektrik- Elektronik- Bilgisayar Sempozyumu, Turkey, 3 - 05 April 2011

### **XXXVII. A New Active Snubber Circuit For PFC Converter**

AKIN B.

International Conference on Control, Communication and Power Engineering 2010 CCPE 2010, 14 - 17 April 2010

### **XXXVIII. Investigation of The Effects of Current and Voltage Harmonics on Power Factor in Three Phase Nonlinear Load Feed by Nonlinear Line**

AKIN B.

01 May 2006

### **XXXIX. Technical and Physical Problems in Single Phase AC-DC Power Factor Correction Boost Converters**

AKIN B.

01 May 2006

### **XL. Application of a Remote Lab: Single Phase PFC circuit**

AKIN B.

01 April 2006

### **XLI. Virtual Laboratory In Higher Education**

YILDIRMAZ G., AKIN B., OBDAN A. H.

INTERNATIONAL CONFERENCE ON INNOVATION IN HIGHER EDUCATION, KIEV, Ukraine, 16 - 19 May 2003

## **Expert Reports**

### **I. BAKIRKÖY 6. ASLİYE HUKUK MAHKEMESİ 2017/146**

Akın B.

BAKIRKÖY 6. ASLİYE HUKUK MAHKEMESİ , pp.14, İstanbul, 2019

### **II. İSTANBUL 8. ASLİYE TİCARET MAHKEMESİ 2016/698**

Akın B.

İstanbul adliyesi, pp.12, İstanbul, 2019

### **III. T.C. BAKIRKÖY 9. ASLİYE HUKUK MAHKEMESİ 2018/457**

Akın B.

Bakırköy Adliyesi, pp.10, İstanbul, 2019

### **IV. .C. BAKIRKÖY 1. FİKRİ VE SINAİ HAKLAR HUKUK MAHKEMESİ 2019/226**

Akın B.

Adliye, pp.5, İstanbul, 2019

- V. **T.C. KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2018-1203**  
Akn B.  
Adliye, pp.8, İstanbul, 2019
- VI. **T.C. KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2019-191**  
Akn B.  
adliye, pp.3, İstanbul, 2019
- VII. **T.C. KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2018-1239**  
Akn B.  
Adliye, pp.6, İstanbul, 2019
- VIII. **T.C. BAKIRKÖY 9. ASLİYE HUKUK MAHKEMESİ 2019-41**  
Akn B.  
adliye, pp.7, İstanbul, 2019
- IX. **T.C. KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2019-187**  
Akn B.  
Adliye, pp.5, İstanbul, 2019
- X. **T.C. BAKIRKÖY 1. FİKRİ VE SINAİ HAKLAR HUKUK MAHKEMESİ 2019-62**  
Akn B.  
Adliye, pp.6, İstanbul, 2019
- XI. **İSTANBUL (11). ASLİYE TİCARET MAHKEMESİ 2019-18**  
Akn B.  
Adliye, pp.8, İstanbul, 2019
- XII. **T.C. BAKIRKÖY 3. ASLİYE TİCARET MAHKEMESİ 2015-679**  
Akn B.  
Adliye, pp.3, İstanbul, 2019
- XIII. **İSTANBUL 11. ASLİYE TİCARET MAHKEMESİ 2018-135**  
Akn B.  
Adliye, pp.6, İstanbul, 2019
- XIV. **KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2018-1099**  
Akn B.  
Adliye, pp.6, İstanbul, 2019
- XV. **T.C. İSTANBUL ANADOLU 2. ASLİYE TİCARET MAHKEMESİ 2017-1026**  
Akn B.  
Adliye, pp.5, İstanbul, 2019
- XVI. **T.C. İSTANBUL 2. FİKRİ SINAİ HAKLAR HUKUK MAHKEMESİ 2019-10**  
Akn B.  
Adliye, pp.4, İstanbul, 2019
- XVII. **T.C. KÜÇÜKÇEKMECE 2. İCRA HUKUK MAHKEMESİ 2018-1240**  
Akn B.  
Adliye, pp.11, İstanbul, 2019
- XVIII. **İSTANBUL 11. ASLİYE TİCARET MAHKEMESİ 2018-112**  
Akn B.  
Adliye, pp.25, İstanbul, 2019
- XIX. **BAKIRKÖY 2. FİKRİ VE SINAİ HAKLAR HUKUK MAHKEMESİ 2017-358**  
Akn B.  
Adliye, pp.11, İstanbul, 2018
- XX. **TEKİRDAĞ İDARE MAHKEMESİ BAŞKANLIĞINA 2017-850**  
Akn B.  
Adliye, pp.16, İstanbul, 2018
- XXI. **T.C. İSTANBUL 12. TÜKETİCİ MAHKEMESİ 2018-27**  
Akn B.  
Adliye, pp.6, İstanbul, 2018



- XXII. **T.C. İSTANBUL 3. ASLİYE HUKUK MAHKEMESİ 2018-50**  
Akın B.  
Adliye, pp.3, İstanbul, 2018
- XXIII. **RX-1200AE-B(EU) POWER SUPPLY W/TOOL BOX**  
Akın B.  
Gümrük Muhafaza, pp.6, İstanbul, 2018
- XXIV. **Alarko Carrier teknik raporu**  
Akın B.  
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- XXV. **GERSAN Mersin Hastanesi**  
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- XXVI. **Ambarlı Santrali teknik raporu**  
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## Supported Projects

- Akın B., Özüğür O., TUBITAK Project, Elektrikli Araç Bataryaları İçin Güvenli Yerleşik Şarj Ünitesi Ve Kontrolü, 2023 - 2023
- Akın B., Kılıç A. C., TUBITAK Project, Şarj İstasyonları İçin Üç Fazlı Pasif Bastırılabilir Yükseltici Tür Güç Faktörü Düzeltme Devresi Tasarımı Ve Gerçeklenmesi, 2022 - 2023
- Akın B., Project Supported by Other Private Institutions, Kompakt ve Regüleli DC/DC Dönüştürücü, 2020 - 2021
- Akın B., Celayir D., TUBITAK Project, Akıllı turnike, 2018 - 2019
- Akın B., Uzun Y., Project Supported by Higher Education Institutions, Tasarruflu lambaların şebeke üzerindeki bozucu etkilerinin azaltılması, 2015 - 2017
- Akboy E., Akın B., Project Supported by Higher Education Institutions, 3 KW Gücünde PFC ve Yumuşak Anahtarlama Bir Endüksiyon Ocağının Gerçekleştirilmesi, 2011 - 2013
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- Akın B., Bodur H., Bakan A. F., Project Supported by Higher Education Institutions, Güneş ve rüzgar enerji sistemlerinde kullanılan PWM DC-DC ve DC-AC dönüştürücüler için yeni bir yumuşak anahtarlama devresi tasarımı, 2004 - 2007

## Scientific Refereeing

- Electrica, Journal Indexed in ESCI, December 2020
- Development Agency, Yildiz Technical University, Turkey, December 2020
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SCI Journal, September 2013

Modeling and Distortion Behavior Analysis of General Pulse-Width Modulated Zeta PFC Converter Operating in Continuous Conduction Mode, SCI Journal, December 2011

## **Metrics**

Publication: 108

Citation (WoS): 92

Citation (Scopus): 214

H-Index (WoS): 3

H-Index (Scopus): 5

## **Invited Talks**

workshop on renewable energy, Workshop, Gazi Üniversitesi, Turkey, September 2013

## **Non Academic Experience**

Eurostar Expert

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