

RAMAZAN AYAZ

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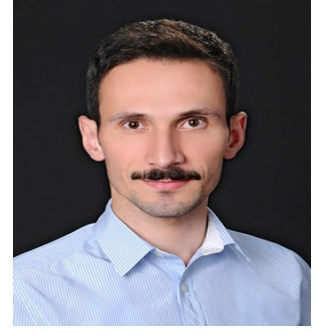
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Learning Knowledge

Doctorate 2012 - 2018	Yildiz Technical University, Graduate School of Natural and Applied Sciences, Elektrik Mühendisliği, Turkey
Post Graduate 2010 - 2012	Yildiz Technical University, Graduate School of Natural and Applied Sciences, Elektrik Mühendisliği, Turkey
Under Graduate 2005 - 2010	Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, Turkey

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, LED VE KONVANSİYONEL IŞIK KAYNAKLI YOL AYDINLATMA ARMATÜRLERİNİN IŞIKSAL, ELEKTRİKSEL VE EKONOMİK AÇIDAN İNCELENMESİ, Yıldiz Technical University, Graduate School of Natural and Applied Sciences, 2018
Post Graduate, FARKLI PV TEKNOLOJİLERİNİN GERÇEK ORTAM VERİLERİ KULLANILARAK MODELLENMESİ VE İSTANBUL ŞARTLARINDA OPTİMUM EĞİM AÇILARININ BELİRLENMESİ, Yıldiz Technical University, Graduate School of Natural and Applied Sciences, Elektrik Mühendisliği, 2012

Academic Titles / Tasks

Research Assistant PhD 2018 - Continues	Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department
Research Assistant 2010 - 2018	Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department
Research Assistant 2015 - 2016	Helsinki University of Technology, School Of Electrical Engineering, Department Of Electrical Engineering And Automation

Supported Projects

1. Akça H., Durusu A., Ayaz R., Şengör İ., Sis S. A. , Aktaş A., Selamoğulları U. S. , TUBITAK Project, Development of FV Based Electric Vehicle Wireless Charging and Dynamic Energy Management System, 2021 - 2024
2. Ayaz R., Erduman A., Durusu A., Yüzer E. Ö. , Project Supported by Higher Education Institutions, Aydınlatma Sistemlerinde Güneş Enerjisi Kullanılarak Enerji Tasarrufu ve Sürdürülebilirliği, 2018 - 2018
3. NAKİR İ., AYAZ R., Project Supported by Higher Education Institutions, LED, Metal Halide ve Sodyum Buharlı Işık Kaynaklı M1, M2 ve M3 Tipi Yol Aydınlatma Armatürlerinin Elektriksel, Işıksal ve Ekonomik Analizleri, 2015 - 2018
4. Ayaz R., Nakir İ., Akça H., Project Supported by Higher Education Institutions, LED Metal Halide ve Sodyum Buharlı Işık Kaynaklı M1 M2 ve M3 Tipi Yol Aydınlatma Armatürlerinin Elektriksel Işıksal ve Ekonomik Analizleri, 2015 - 2018
5. Ayaz R., Selamoğulları U. S. , Nakir İ., Taşcıkaraoğlu A., Tanrıöven M., Project Supported by Other Official Institutions, Binalarda Enerji Performansı Yazılımı Ulusal Hesaplama Metodolojisi'nin İyileştirilmesi, 2013 - 2014

Awards

1. Ayaz R., YTÜ Bilim Teşvik Ödülü, Yıldız Teknik Üniversitesi, December 2017
2. Ayaz R., YTÜ Bilim Teşvik Ödülü, Yıldız Teknik Üniversitesi, December 2016

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılma Desteği Programı, TUBITAK, 2019 - 2019

2211-A Genel Yurt İçi Doktora Burs Programı, TUBITAK, 2013 - 2017

2214-A Yurt Dışı Araştırma Burs Programı, TUBITAK, 2015 - 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. **Assessment of photometric and electrical measurements of residential light sources**
Doğanşahin K., AYAZ R., BOZKURT A., KEKEZOĞLU B.
Electrical Engineering, 2021 (Journal Indexed in SCI Expanded)
2. **Life cycle cost analysis on M1 and M2 road class luminaires installed in Turkey**
AYAZ R., Ozcanli A. K. , NAKİR İ., Bhusal P., ÜNAL A.
Light and Engineering, vol.27, no.1, pp.61-70, 2019 (Journal Indexed in SCI Expanded)
3. **Lifetime analysis of semiconductor switch of MPPT for different photovoltaic technologies considering ambient conditions**
Akça H., Ayaz R., Durusu A.
ELECTRICAL ENGINEERING, vol.100, pp.1881-1889, 2018 (Journal Indexed in SCI)
4. **Determination of Optimum Tilt Angle for Different Photovoltaic Technologies Considering Ambient Conditions: A Case Study for Burdur, Turkey**
Ayaz R., Durusu A., Akça H.
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.139, 2017 (Journal Indexed in SCI)
5. **A New MPPT Algorithm for Vehicle Integrated Solar Energy System**
Nakir İ., Durusu A., Akca H., Ajder A., Ayaz R., Ugur E., Tanrioven M.
JOURNAL OF ENERGY RESOURCES TECHNOLOGY-TRANSACTIONS OF THE ASME, vol.138, 2016 (Journal Indexed in SCI)
6. **An Improved Matlab-Simulink Model of PV Module considering Ambient Conditions**
AYAZ R., NAKİR İ., Tanrioven M.
INTERNATIONAL JOURNAL OF PHOTOENERGY, 2014 (Journal Indexed in SCI)

7. **Performance Comparison of Widely-Used Maximum Power Point Tracker Algorithms under Real Environmental Conditions**

Durusu A., Nakir İ., Ajder A., Ayaz R., Akca H., Tanrioven M.

ADVANCES IN ELECTRICAL AND COMPUTER ENGINEERING, vol.14, pp.89-94, 2014 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **Farklı Tip LED Sürücülerin Güç Kalitesi Performanslarının Belirlenmesi**

Türkmen E., Ayaz R., Doğanşahin K., Kekezoğlu B.

Mühendislik Bilimleri ve Araştırmaları Dergisi, vol.2, no.1, pp.21-27, 2020 (Refereed Journals of Other Institutions)

2. **Sizing of PV Based LED Lighting System Considering Minimum Solar Radiation Level**

AJDER A., AKÇA H., AKDEMİR H., AYAZ R., NAKİR İ., TANRIÖVEN M.

International Journal of Advancements in Mechanical and Aeronautical Engineering, vol.3, no.1, pp.27-31, 2016 (Refereed Journals of Other Institutions)

3. **Comparison of Road Lighting Luminaires for M2 Road Lighting Class Considering Energy Efficiency**

AYAZ R., Kaymaz A., AKÇA H., AJDER A., ÜNAL A., TANRIÖVEN M.

International Journal of Advances in Electronics Engineering- IJAE, vol.6, no.1, pp.103-107, 2016 (Refereed Journals of Other Institutions)

4. **The Effect of LED Chip Connection Type on Lighting and Thermal Performance of A Luminaire**

AKÇA H., AKDEMİR H., AYAZ R., AJDER A., NAKİR İ., TANRIÖVEN M.

International Journal of Advances in Electronics Engineering- IJAE, vol.6, no.1, pp.98-102, 2016 (Refereed Journals of Other Institutions)

5. **Online Load Shifting of Electricity Production Consumption for Reducing Environmental Hazard**

Toros H., Ayaz R., Ajder A., Durusu A., Yıldırım H.

European Journal of Science and Technology, vol.1, pp.39-42, 2014 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

1. **LED Tabanlı Akıllı Aydınlatma Sistemlerinin Güç Kalitesine Etkilerinin İncelenmesi**

DOĞANŞAHİN K., AYAZ R., BOZKURT A.

21. Otomatik Kontrol Ulusal Toplantısı TOK 2019, Muğla, Turkey, 11 - 14 September 2019

2. **Harmonic Behaviour of RGB WLED**

DOĞANŞAHİN K., AYAZ R., BOZKURT A., KEKEZOĞLU B.

54th International Universities Power Engineering Conference (UPEC 2019), Bucharest, Romania, 3 - 06 September 2019

3. **Power Quality Assessment of Indoor LED Luminaires**

Ayaz R., Doğanşahin K., Bozkurt A., Kekezoğlu B.

2019 Electric Power Quality and Supply Reliability Conference, Hiiu, Estonia, 12 - 15 June 2019

4. **Energy Saving And Sustainability by Using Solar Energy in Indoor Lighting: Case Study**

Erduman A., Durusu A., Yüzer E. Ö. , Ayaz R.

4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 - 21 December 2018, pp.1-6

5. **Mono-Kristal PV Panelin Matlab/Simulink'te Modellenmesi ve Deneysel Verilerle Doğrulanması**

Develi M. K. , Çalmlı E., DURUSU A., AYAZ R., TANRIÖVEN M.

Elektrik - Elektronik - Bilgisayar ve Biyomedikal Mühendisliği Sempozyumu, Bursa, Turkey, 29 November 2014, pp.62-65

6. **A new approach for relationship between daylight and indoor illumination level**

AYAZ R., NAKİR İ., AKÇA H., AJDER A., TANRIÖVEN M.

2014 International Conference on Renewable Energy Research and Application (ICRERA), Milwaukee, WI, USA, 19

- 22 October 2014, pp.833-836

7. Thermal management of power LED system

Akca H., Yasa Y., Ayaz R., Durusu A., Ajder A., Nakir İ., Tanrioven M.

3rd International Conference on Renewable Energy Research and Applications, ICRERA 2014, Wisconsin, United States Of America, 19 - 22 October 2014, pp.760-764

8. Breakdown Strength Analysis of the Transformer Insulation Oil Due to Different Standards

AKÇA H., KOCATEPE C., ARIKAN O., KUMRU C. F. , AYAZ R.

18th International Symposium on High Voltage Engineering, 25 - 30 August 2013, pp.1343-1347

9. The Influence of Voltage and Frequency Variations on Insulation Quality of a High Voltage Cable

KOCATEPE C., KUMRU C. F. , AYAZ R., ARIKAN O., AKÇA H.

IEEE EUROCON, 1 - 04 July 2013, pp.964-968

10. A Comparison of Metrobus System and Trolleybus System Considering Energy Costs and CO2 Emission A Case Study for Istanbul

Ayaz R., Nakir İ., Durusu A., Akça H., Tanriöven M.

10th International Conference on Sustainable Energy Technologies, İstanbul, Turkey, 4 - 07 September 2011, pp.1-7

Courses

Aydınlatma Tekniği, Under Graduate, 2018 - 2019

İş Sağlığı ve Güvenliği 1, Under Graduate, 2018 - 2019

Scientific Refereeing

European Journal of Science and Technology, Other Indexed Journal, July 2019

Journal Of Cleaner Production, Journal Indexed in SCI-E, July 2018

APPLIED ENERGY, SCI Journal, June 2018

EPECS 2013, International Conference on Electric Power and Energy Conversion Systems, Conference Paper (Full Text), October 2013

Mobility Activity

Erasmus Programme, Get Education, Kathmandu University, Nepal, 2018 - 2018

Research Scholarship Program, Guest Researcher, Helsinki University of Technology, Finland, 2015 - 2016

Edit Congress and Symposium Activities

Electric Power Quality and Supply Reliability Conference (PQ2019), Working Group, Hiiu, Estonia, 2019

3rd International Conference on Renewable Energy Research and Applications (ICRERA), Working Group, Wisconsin, United States Of America, 2014

EUROCON2013, Working Group, Zagreb, Croatia, 2013

10th International Conference on Sustainable Energy Technologies (SET2011), Working Group, İstanbul, Turkey, 2011

Citations

Total Citations (WOS):39

h-index (WOS):4

Research Areas

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