

Asst. Prof. YAĞMUR ARIKAN YILDIZ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey
2014 - 2021

Postgraduate, Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey
2013 - 2014

Undergraduate, Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering,
Turkey 2007 - 2011

Certificates, Courses and Trainings

Renewable Energy Sources, Yenilenebilir Enerji Sistemleri Kış Okulu/ Yenilenebilir Enerji Özel Konuları Sertifikası, Afyon
Kocatepe Üniversitesi/ Tübitak, 2014

Dissertations

Doctorate, Raylı Sistemlerin Modellenmesi ve Sezgisel Yöntemlerle Enerji Etüdünün Gerçekleştirilmesi, Kirikkale
University, 2021

Postgraduate, Yenilenebilir Enerji Sistem Yatırımlarında Enerji Potansiyeli ve Ekonomik Analiz Tabanlı Yazılım Tasarımı ,
Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2014

Research Areas

Electrical and Electronics Engineering, Energy, Renewable energy

Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet University, Şarkışla Uygulamalı Bilimler Yüksekokulu, Şarkışla Uygulamalı Bilimler
Yük.Ok., 2021 - Continues

Research Assistant, Kirikkale University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering,
2012 - 2021

Research Assistant, Firat University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, 2012 -
2012

Academic and Administrative Experience

Deputy Director of Junior College, Sivas Cumhuriyet University, Şarkışla Uygulamalı Bilimler Yüksekokulu, Şarkışla Uygulamalı Bilimler Yük.Ok., 2021 - Continues

Courses

FUNCTIONING OF ENERGY MARKETS, Postgraduate, 2022 - 2023

Basic Electronic, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Actual-time modeling of a subway vehicle and optimal driving management with GA and ABC algorithms**
Arikan Y., Şen T., Çam E.
Journal of Engineering Research (Kuwait), vol.10, no.4, pp.204-218, 2022 (SCI-Expanded)
- II. **Actual-time modeling of a subway vehicle and Optimal driving management with GA and ABC algorithms (Kabul)**
Arikan Yıldız Y., Çam E.
JOURNAL OF ENGINEERING RESEARCH, vol.1, no.1, pp.1-10, 2021 (SCI-Expanded)
- III. **Energy Efficiency in Rail Systems with Coasting Control Method Using GA and ABC Optimizations**
Arikan Y.
Tehnicky Vjesnik-Technical Gazette, vol.28, no.4, pp.1127-1135, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **OPTIMIZING ENERGY HUB SYSTEM OPERATION WITH ELECTRICAL AND THERMAL DEMAND RESPONSE PROGRAMS**
AKKAŞ Ö. P., ARIKAN YILDIZ Y.
Konya mühendislik bilimleri dergisi (Online), vol.12, no.1, pp.1-13, 2024 (Peer-Reviewed Journal)
- II. **A study of energy efficiency in rail vehicles'**
ARIKAN Y., ŞEN T., ÇAM E.
El-Cezeri Journal of Science and Engineering, vol.7, no.1, 2020 (Scopus)
- III. **Realization of Light Rail System Preliminary Survey for Kırıkkale Province**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
International Journal of Engineering Research and Development, 2018 (Peer-Reviewed Journal)
- IV. **Application of AHP Method For Solving Unit Commitment Problem in Day Ahead Market**
AKKAŞ Ö. P., ARIKAN Y., ÇAM E.
Technological Applied Sciences,, vol.13, no.4, pp.310-317, 2018 (Peer-Reviewed Journal)
- V. **New optimization algorithms for application to environmental economic load dispatch in power systems**
Arikan Y., Akkaş Ö. P., Çam E.
ELECTRICA, vol.18, no.2, pp.133-142, 2018 (Peer-Reviewed Journal)
- VI. **Assessment of Factors of Energy Consumption in Railways With The AHP Method'**
ARIKAN Y., ÇAM E.
The Online Journal of Science and Technology,, vol.8, no.1, pp.21-28, 2018 (Peer-Reviewed Journal)
- VII. **SELECTION OF A SUITABLE WIND POWER PLANT WITHECONOMICAL ANALYSIS FOR AMASRA CITY, TURKEY**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
International Journal of Energy Applications and Technologies, vol.4, no.3, pp.129-136, 2017 (Peer-Reviewed)

Journal)

- VIII. **LOAD DISPATCH FOR A POWER SYSTEM IN TERMS OF ECONOMY AND ENVIRONMENT BY USING VIKOR METHOD**
AKKAŞ Ö. P., ARIKAN Y., ÇAM E.
Dokuz Eylül University-Faculty of Engineering, Journal of Science and Engineering,, vol.19, no.57, pp.733-741, 2017
(Peer-Reviewed Journal)
- IX. **Implementation of Feasibility Analysis of Wind and Solar Energy on the Web Base**
ARIKAN Y., ÇAM E.
Uluslararası Mühendislik Arastırma ve Geliştirme Dergisi, vol.9, no.1, pp.1-10, 2017 (Peer-Reviewed Journal)
- X. **THE ANALYSIS OF WIND DATA WITH RAYLEIGH DISTRIBUTION AND OPTIMUM TURBINE AND COST ANALYSIS IN ELMADAĞ,TURKEY**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
IU-Journal of Electrical Electronics Engineering, vol.15, no.1, pp.1907-1912, 2015 (ESCI)
- XI. **Kırıkkale Üniversitesi'ne Kurulacak Olan RüzgarTürbini İçin Enerji ve Maliyet Analizinin Yapılması**
AKKAŞ Ö. P., ARIKAN Y., ERTEN M. Y., ÇAM E.
International Journal of Engineering Research and Development, vol.6, no.2, pp.1-5, 2014 (Peer-Reviewed Journal)
- XII. **Rüzgar Enerjisi Potansiyel ve Ekonomik Analizinin Profilab_Expert Kullanılarak Gerçekleştirilmesi: Datça İlçesi Uygulaması**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
3e ELECTROTECH, pp.132-138, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Optimizing of Speed Profile in Electrical Trains for Energy Saving with Dynamic Programming**
Arikan Y., Çam E.
2019 3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 11 October 2019
- II. **750 vdc Beslemeli Raylı Sistemlerin Modellenmesi ve Enerji Yönetimi**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, 5 - 08 July 2018
- III. **Kırıkkale İli Raylı Sistem Etüdünün Gerçekleştirilmesi**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
II. Bilmes, 5 - 08 July 2018
- IV. **Demand-Side Management Application for theKırıkkale University, Turkey**
AKSAKAL A., ARIKAN Y., ATEŞ V., ÇAM E.
5th International Conference on Advanced Technology Sciences (ICAT'xx17), 9 - 12 May 2017, pp.699703
- V. **Selection of a Solar Power Plant Location by UsingAHP Method**
AKKAŞ Ö. P., ARIKAN Y., ÇAM E.
5th International Conference on AdvancedTechnology Sciences, 9 - 12 May 2017, pp.415-419
- VI. **SELECTION OF A SUITABLE WIND POWER PLANT WITHECONOMICAL ANALYSIS FOR AMASRA CITY TURKEY**
ARIKAN Y., AKKAŞ Ö. P., ÇAM E.
5th International Conference on AdvancedTechnology Sciences, 9 - 12 May 2017, pp.420-424
- VII. **Modeling AND Simulation of High Precision Closed Loop Fiber Optic Gyroscope**
USTUNOL Y., ÇAM E., ARIKAN Y.
8th International Ege Energy Syposium, 11 - 13 March 2016, pp.1135-1142
- VIII. **Economic and Environmental Dispatch of Power Systems by Using AnalyticHierarchy Process (AHP) Method**
AKKAŞ Ö. P., ARIKAN Y., ÇAM E.
8th International Ege Energy Syposium, 11 - 13 March 2016, pp.349-354

IX. Wind Turbine Economic Analysis and Experiment Set Applications with Using Rayleigh Statistical Method

Köstekci F., ARIKAN Y., ÇAM E.

International Conference and Exhibition on Electronic, Computer and Automation Technologies (ICEECAT'14, 9 - 11 May 2014, pp.33-37

Supported Projects

Çam E., TUBITAK Project, -Rüzgar ve Güneş Enerji Sistemlerinde Web Tabanlı Noktasal Karar Destek Sistem Yazılımı, 2015 - 2016

Metrics

Publication: 26

Citation (WoS): 14

Citation (Scopus): 13

H-Index (WoS): 4

H-Index (Scopus): 2