

Res. Asst. MİKAİL PÜRLÜ



Personal Information

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International Researcher IDs

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Education Information

Doctorate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği,
Turkey 2017 - 2022

Postgraduate, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği,
Turkey 2014 - 2017

Undergraduate, Sivas Cumhuriyet University, Mühendislik Fakültesi, Elektrik Elektronik
Mühen., Turkey 2009 - 2013

Dissertations

Doctorate, Examination of the effects of distributed generation on smart grids, Istanbul Technical University, Lisansüstü
Eğitim Enstitüsü, 2022

Postgraduate, Üretim sistemlerinde valf-nokta etkili konveks olmayan dinamik ekonomik yük dağıtım, Istanbul Technical
University, Fen Bilimleri Enstitüsü, Electrical Engineering, 2017

Research Areas

Electrical and Electronics Engineering

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2014 - Continues

Research Assistant, Sivas Cumhuriyet University, Mühendislik Fakültesi, Elektrik Elektronik Mühen., 2013 - Continues

Courses

Engineering Mathematics, Undergraduate, 2022 - 2023

Elektrikle Tahrik, Undergraduate, 2022 - 2023

Enerji Üretim ve İletimi, Undergraduate, 2022 - 2023

Generation and Transmission of Electrical Energy, Undergraduate, 2022 - 2023

Elektrikle Tahrik, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Optimal Allocation of Renewable Distributed Generations Using Heuristic Methods to Minimize Annual Energy Losses and Voltage Deviation Index**
Pürlü M., Türkay B.
IEEE Access, vol.10, pp.21455-21474, 2022 (Peer-Reviewed Journal)
- II. **Estimating the distributed generation unit sizing and its effects on the distribution system by using machine learning methods**
Pürlü M., Turkey B. E.
Elektronika ir Elektrotehnika, vol.27, no.4, pp.24-32, 2021 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **Heuristic Algorithms on Economic Dispatch of Multi-Microgrids with Photovoltaics**
Aydm E., PÜRLÜ M., TÜRKAY B.
Turkish Journal of Electrical Power and Energy Systems, vol.2, no.2, 2022 (Peer-Reviewed Journal)
- II. **On-Grid and Off-Grid Hybrid Renewable Energy System Designs with HOMER: A Case Study of Rural Electrification in Turkey**
PÜRLÜ M., Beyarslan S., TÜRKAY B.
Turkish Journal of Electrical Power and Energy Systems, vol.2, no.1, pp.75-84, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Market-Clearing Price Forecasting Using Keras in Turkish Day-Ahead Electricity Market**
Pürlü M., Türkay B., Andiç C., Aydın E., Canol B., Kucukaslan B.
4th IEEE Global Power, Energy and Communication Conference, GPECOM 2022, Cappadocia, Turkey, 14 - 17 June 2022, pp.517-522
- II. **Optimum Energy Management in Electric Vehicle Parking Lots Using Heuristic Methods**
Canol B., Andiç C., Pürlü M., Türkay B.
4th IEEE Global Power, Energy and Communication Conference, GPECOM 2022, Cappadocia, Turkey, 14 - 17 June 2022, pp.473-477
- III. **Optimal Design of Hybrid Grid-connected Microgrid with Renewable Energy and Storage in a Rural Area in Turkey by Using HOMER**
Pürlü M., Türkay B.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.263-267
- IV. **Economic Dispatch of Multi-Microgrid Systems by Using Particle Swarm Optimization**
Pürlü M., Türkay B.
13th International Conference on Electrical and Electronics Engineering, ELECO 2021, Virtual, Bursa, Turkey, 25 - 27 November 2021, pp.268-272
- V. **Dynamic economic dispatch with valve point effect by using GA and PSO Algorithm**
Türkay B., Pürlü M.
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018
- VI. **Optimal capacitor placement in radial distribution system using genetic algorithm method**
Delkhooni M., Ayan O., Pürlü M., Türkay B.
10th International Conference on Electrical and Electronics Engineering, ELECO 2017, Bursa, Turkey, 29 November - 02 December 2017, vol.2018-January, pp.1491-1495

Metrics

Publication: 10
Citation (WoS): 4
Citation (Scopus): 19
H-Index (WoS): 1
H-Index (Scopus): 2

Scholarships

2211 A Yurtiçi Genel Doktora Bursu, TUBITAK, 2017 - 2021