

Asst. Prof. ÖMER AYDIN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2017 - Continues

Postgraduate, Gazi University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, Turkey 2015 - 2017

Undergraduate, Kirikkale University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği, Turkey 2010 - 2014

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Girdap Arama Algoritması Kullanarak Optimal Güç Akışı Probleminin Çözümü, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği, 2017

Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2023 - Continues

Research Assistant, Gazi University, Elektrik-Elektronik Mühendisliği, 2015 - 2023

Courses

Elektrik Tesisleri, Undergraduate, 2023 - 2024

Elektrik-Elektronik Mühendisliğinin Temelleri, Undergraduate, 2023 - 2024

Yüksek Gerilim Tekniği, Undergraduate, 2023 - 2024

Proje Yönetimi, Undergraduate, 2023 - 2024

Yüksek Gerilim Tekniği, Undergraduate, 2023 - 2024

Power System Analysis, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Determination of stability delay margins for multi-area load frequency control systems with incommensurate time delays through eigenvalue tracing method**
AYDIN Ö., Sönmez Ş., AYASUN S.
International Journal of Electrical Power and Energy Systems, vol.137, 2022 (SCI-Expanded)
- II. **Power system harmonic and interharmonic estimation using Vortex Search Algorithm**
Altıntaşı Ç., Aydın Ö., Taplamacioğlu M. C., Salor Durna Ö.
Electric Power Systems Research, no.182, pp.1-11, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **RENEWABLE ENERGY INTEGRATED OPTIMAL POWER FLOW WITH VORTEX SEARCH OPTIMIZATION**
AYDIN Ö., TEZCAN S. S., EKE İ., TAPLAMACIOĞLU M. C.
International Journal on Technical and Physical Problems of Engineering (IJTPE), vol.10, no.2, pp.1-6, 2018 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Delay Margin Computation of Generator Excitation Control System with Incommensurate Time Delays Using Critical Eigenvalue Tracing Method**
AYDIN Ö., Sonmez S., AYASUN S.
4th IEEE Global Power, Energy and Communication Conference, GPECOM 2022, Cappadocia, Turkey, 14 - 17 June 2022, pp.244-249
- II. **Comparative Parameter Estimation of Single Diode PV-Cell Model by Using Sine-Cosine Algorithm and Whale Optimization Algorithm**
AYDIN Ö., GÖZDE H., DURSUN M., TAPLAMACIOĞLU M. C.
2019 6th International Conference on Electrical and Electronics Engineering (ICEEE), Istanbul, Turkey, Turkey, 16 - 17 April 2019
- III. **Solving the Optimal Power Flow Quadratic Cost Functions using Vortex Search Algorithm**
AYDIN Ö., TEZCAN S. S., EKE İ., TAPLAMACIOĞLU M. C.
IFAC 2017, 9 - 14 July 2017, vol.50, pp.239-244
- IV. **Solution of Wind Integrated Optimal Power Flow Using Vortex Search Algorithm**
AYDIN Ö., TEZCAN S. S., EKE İ., TAPLAMACIOĞLU M. C.
The 13th International Conference of ICTPE-2017, Van, Turkey, 21 - 23 September 2017
- V. **Optimal Power Flow using Vortex Search Algorithm**
AYDIN Ö., Tezcan S. S., Eke İ., Taplamacioğlu M.
International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.3254-3260

Metrics

Publication: 9

Citation (Scopus): 38

H-Index (WoS): 1

H-Index (Scopus): 3