Assoc. Prof. GÖKSU GÖREL

Personal Information

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International Researcher IDs
ScholarID: GNyAZCUAAAAJ
ORCID: 0000-0002-2852-5760
Publons / Web Of Science ResearcherID: E-9020-2017
ScopusID: 57196216572
Yoksis Researcher ID: 112212

Education

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Turkey 2017 - 2020
Undergraduate, Karabuk University, Turkey 2017 - 2018
Doctorate, Kirikkale University, Turkey 2013 - 2017
Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Turkey 2007 - 2013
Undergraduate, Marmara University, Faculty Of Technical Education, Electric Education, Turkey 2001 - 2006

Foreign Languages

English

Dissertations

Doctorate, Güneş enerji sistemli iki bölgeli enterkonnekte şebekede modern kontrol teknikleri ile yük-frekans kontrolü, Kirikkale University, 2017
Postgraduate, Şebeke bağlantısız FV-YP birleşik sistemleri için anahtarlamalı bir güç ve gerilim düzenleyici, Karadeniz Technical University, Fen Bilimleri Enstitüsü, 2013

Research Areas

Avesis Research Areas: Electrical and Electronics Engineering
WoS Research Areas: Engineering Electrical & Electronic
Scopus Research Areas: Electrical and Electronic Engineering, Multidisciplinary

Academic Positions

Associate Professor, Manisa Celal Bayar University, Hasan Ferdi Turgutlu Teknoloji Fakültesi, Elektrik Mühendisliği, 2026 - Present
Assistant Professor, Manisa Celal Bayar University, Hasan Ferdi Turgutlu Teknoloji Fakültesi, Elektrik Mühendisliği, 2024 - 2026

Assistant Professor, Cankiri Karatekin University, 2019 - 2024
Assistant Professor, Cankiri Karatekin University, 2018 - 2019
Lecturer, Cankiri Karatekin University, 2009 - 2018

Academic and Administrative Experience

Cankiri Karatekin University, 2019 - Present
Cankiri Karatekin University, 2023 - 2024
Cankiri Karatekin University, 2012 - 2015

Courses

Undergraduate
Güç Elektroniği Lab, Undergraduate, 2022-2023, 2019-2020
Nümerik Analiz, Undergraduate, 2022-2023
Elektronik 1 Lab, Undergraduate, 2022-2023, 2019-2020
Elektronik 1, Undergraduate, 2022-2023, 2019-2020
Güç Elektroniği, Undergraduate, 2022-2023, 2019-2020
Kariyer Planlama, Undergraduate, 2022-2023
Güç Sistemleri, Undergraduate, 2022-2023
Elektrik-Elektronik Mühendisliği için Malzeme Bilimi, Undergraduate, 2019-2020
Associate Degree
İLERİ SAYISAL UYGULAMALARI, Associate Degree, 2017-2018, 2016-2017
ENERJİ YÖNETİMİ, Associate Degree, 2017-2018, 2016-2017
ELEKTRİK ENERJİSİ ÜRETİMİ İLETİMİ VE DAĞITIMI, Associate Degree, 2017-2018, 2016-2017
YÜKSEK GERİLİM TEKNİĞİ, Associate Degree, 2017-2018, 2016-2017
ALTERNATİF AKIM DEVRE ANALİZİ, Associate Degree, 2016-2017
DİJİTAL ELEKTRONİK, Associate Degree, 2016-2017
Undergraduate Double Major
Güç Dönüştürücüleri ve Esnek AC İletim Sistemleri, Undergraduate Double Major, 2022-2023, 2019-2020
Fotovoltaik sistemler, Undergraduate Double Major, 2022-2023, 2019-2020
Enerji Santralleri, Undergraduate Double Major, 2019-2020

Supervised Theses

GÖREL G., Endüstri uygulamalarda kullanılan 3 fazlı motorun model tabanlı açık çevrim kontrolü, Postgraduate, H.ÖZKAYA(Student), 2024
GÖREL G., Optimize edilerek anahtarlanan alçaltan dönüştürücünün model tabanlı gerçekleştirilmesi ve kontrolü, Postgraduate, Y.BEKTEŞ(Student), 2024
GÖREL G., Fotovoltaik sistemlerde maksimum güç noktası izleyicinin Xilinx Zedboard Zynq-7000 FPGA ile birlikte simülasyonu, Postgraduate, E.DOĞAN(Student), 2022
GÖREL G., Improved torque and speed performances for DTC+ controlled asynchronous machine by fuzzy switching algorithm, Postgraduate, W.HILOUAN(Student), 2022
GÖREL G., PI, PID, GA-PID ve BA-PID kontrolör ıle rüzgâr türbının kanat hatve açısı kontrolü, Postgraduate, I.MOHAMED(Student), 2022
GÖREL G., Şebeke bağlantılı bir fotovoltaik güç üretim santralinin tasarım aşamaları ve güç boyutlandırma faktörünün önemi, Postgraduate, A.BALKAN(Student), 2022
GÖREL G., Control technique for power quality improvement of isolated wind power generation system, Postgraduate,

I.FADHIL(Student), 2022
GÖREL G., Design and control of three-phase power system with wind power using unifid power quality conditioner (UPQC), Postgraduate, D.IED(Student), 2022
GÖREL G., Control of individual pitch angle in variable wind speed using modern optimization techniques, Postgraduate, M.OSMAN(Student), 2022
GÖREL G., Performance of study for hybrid renewable energy in different climate, Postgraduate, I.TAHA(Student), 2022
GÖREL G., Sabit mıktanıslı senkron motorun bulanık anahtarlama yaklaşımı ile vektörel denetiminin incelenmesi, Postgraduate, D.KORKMAZ(Student), 2022

Articles

I. **Intelligent Wave Algorithm-Based MPPT for a Flyback PV Converter Under Rapid Irradiance Transients**
GÖREL G., Hamed N. A. M.
Mathematics, vol.14, no.11, 2026 (SCI-Expanded, Scopus)
II. **Review of transmission planning and scaling of renewable energy in energy communities**
BAŞARAN K., Lorinez M. J., Alaei M. H., Lautert R. R., Siano P., Kia M., GÖREL G.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.222, 2025 (SCI-Expanded, Scopus)
III. **Evaluation of the reliability of PV*SOL software in solar power plants Güneş enerji santrallerinde PV*SOL yazılımının güvenilirliğinin değerlendirilmesi**
Balkan A., GÖREL G.
Gumushane Universitesi Fen Bilimleri Dergisi, vol.14, no.3, pp.949-957, 2024 (Scopus, TRDizin)
IV. **Control technique for power quality improvement of isolated wind power generation system**
GÖREL G., Fadhil I.
Bulletin of Electrical Engineering and Informatics, vol.12, no.4, pp.1881-1892, 2023 (Scopus)
V. **Advanced Pitch Angle Control Based on Genetic Algorithm and Particle Swarm Optimisation on FAST Turbine Systems**
GÖREL G., Abdi M. O.
ELEKTRONIKA IR ELEKTROTECHNIKA, vol.29, no.4, pp.11-18, 2023 (SCI-Expanded, Scopus)
VI. **Design and Control of Three-Phase Power System with Wind Power Using Unified Power Quality Conditioner**
Mahdi D. I., GÖREL G.
ENERGIES, vol.15, no.19, 2022 (SCI-Expanded, Scopus)
VII. **Effects on Load-Frequency Control of a Solar Power System with a Two-Area Interconnected Thermal Power Plant and its Control with a New BFA Algorithm**
Civelek Z., GÖREL G., Luy M., BARIŞÇI N., ÇAM E.
ELEKTRONIKA IR ELEKTROTECHNIKA, vol.24, no.6, pp.3-10, 2018 (SCI-Expanded, Scopus)
VIII. **Use of the genetic algorithm-based fuzzy logic controller for load-frequency control in a two area interconnected power system**
Cam E., GÖREL G., MAMUR H.
Applied Sciences (Switzerland), vol.7, no.3, 2017 (SCI-Expanded, Scopus)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Endüstri Uygulamalarda Kullanılan 3 Fazlı Motorun Model Tabanlı Açık Çevrim Kontrolü**
GÖREL G., ÖZKAYA H., KORKMAZ F., BEKTEŞ Y.
VI. Ulusal Üniversite-Sanayi İşbirliği, Ar-Ge ve İnovasyon Kongresi, 17 - 18 December 2024, (Summary Text)
II. **Improved Speed and Torque Efficiency for DTC Controlled Asynchronous Machine Using Fuzzy Switching Algorithm**

GÖREL G., HILOUAN MOHAMED W.
1st International Karatekin Science and Technology Conference, Çankırı, Turkey, 01 September 2022, pp.340-345, (Full Text)

III. **Improve Efficiency Solar Cells Using PID Controller**
Najd A. H., GÖREL G., Hammood H. F.
2nd International Scientific Conference of Al-Ayen University, ISCAU 2020, Thi-Qar, Virtual, Iraq, 15 - 17 July 2020, vol.928, (Full Text)

IV. **Implementation Closed Loop Speed Control of DC Motor Using Arduino Uno Board**
DEMİRÖZ A., GÜNEŞ M., TEKE M., GÖREL G., DURAN F.
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.440, (Summary Text)

V. **Design And Implemantion of Real-Time Portable Data Logger Device For Intelligent Transport Systems**
TEKE M., GÖREL G., DEMİRÖZ A., GÜNEŞ M., DURAN F.
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, (Summary Text)

VI. **Android Based Bluetooth Controlled Wooden Robot**
GÜNEŞ M., TEKE M., GÖREL G., DEMİRÖZ A., DURAN F.
II. International Scientific and Vocational Studies Congress (BILMES 2018), Nevşehir, Turkey, 5 - 08 July 2018, pp.443, (Summary Text)

VII. **Load-Frequency Stabilization Using PI Controller Optimized Bacterial Foraging Research Algorithm in Single Area Power System with Renewable Energy**
GÖREL G., DEMİRÖZ A., GÜNEŞ M., TEKE M., ÇAM E.
II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS (BILMES 2018) ABSTRACT BOOK, Nevşehir, Turkey, 5 - 08 July 2018, pp.439-440, (Summary Text)

VIII. **Implementation of FUZZY PI for Load Frequency Control in Photovoltaic Energy Systems**
GÖREL G., ÇAM E.
8 th International Ege Energy Symposium and Exhibition, 11 - 13 May 2016, (Full Text)

IX. **The Solar Panel Surface Temperature Control by Using Genetic PI and Fuzzy PI Controller**
GÖREL G., ÇAM E.
8th International Ege Energy Symposium and Exhibition, 11 - 13 May 2016, (Full Text)

X. **Genetic Based PI Controller for Cooling Independent PV Systems**
GÖREL G., ÇAM E., LÜY M., CİVELEK Z.
1st International Conference on Environmental Science and Technology (ICOEST), 9 - 13 September 2015, (Full Text)

XI. **A New Fuzzy Controller for Adjusting of Pitch Angle of Wind Turbine**
CİVELEK Z., LÜY M., ÇAM E., GÖREL G.
ISTEC 2015 International Science and Technology Conference, 2 - 04 September 2015, (Full Text)

XII. **Operation of Load Frequency Control with PID Controller in Single Area Renewable Green Photovoltaic Energy Systems**
GÖREL G., ÇAM E., LÜY M., GÜRBÜZ R.
1st International Conference on Environmental Science and Technology (ICOEST), 9 - 13 September 2015, (Full Text)

XIII. **Temperature Effect On The Load Of The Panel To Be Controlled By The PI For Utility Independent PV Systems**
GÖREL G., ÇAM E., ALTAŞ İ. H.
ISEM 2014 2ND INTERNATIONAL SYMPOSIUM ON ENVIRONMENT AND MORALITY, 24 - 26 October 2014, (Full Text)

XIV. **Gömülü Sistem Tabanlı Uzaktan Erişilebilir Güvenlik Sistemi**
ÖZEN F., KARHAN M., TEKE M., ISSI F., DAŞ F., GÖREL G., MUSTAFA M.
MKT 2014 Proje Tabanlı Mekatronik Eğitimi Çalıştayı, Turkey, 22 - 24 May 2014, (Full Text)

XV. **IOIO Platformu İle Doğru Akım Motoru Kontrolü**
ISSI F., TEKE M., KARHAN M., ESKİ Ş., GÖREL G., ÇAKIROĞLU B.
MKT 2014 Proje Tabanlı Mekatronik Eğitimi Çalıştayı, Turkey, 22 - 24 May 2014, (Full Text)

XVI. **Android Uygulamalı 3 Boyutlu Robot Kol Tasarımı**
ISSI F., TEKE M., KARHAN M., ÖZTÜRK M., ŞAHİNOĞLU A., GÖKÇE H., KUTAR İ., GÖREL G.
MKT 2014 Proje Tabanlı Mekatronik Eğitimi Çalıştayı, Sinop, Turkey, 22 - 24 May 2014, (Full Text)

XVII. **Bulanık Mantık Kontrollü Çift Eklemli Robot Kolu**
GÖREL G., ALTAŞ İ. H.
Elektrik-Elektronik Bilgisayar Sempozyumu, Turkey, 1 - 02 January 2011, (Full Text)

Funded Projects

GÖREL G., Project Supported by Higher Education Institutions, Xilinx Zedboard Zynq-7000 FPGA Kart ve Arty A7-35T FPGA Geliştirme Kartları Temelli Güç Elektroniği Deneyleri Tasarlama, 2021 - 2022

Peer Reviews in Scientific Publications

Other journals, January 2017
Other journals, January 2017
ENERGY, Other journals, January 2017
ELECTRIC POWER SYSTEMS RESEARCH, Other journals, January 2017
Conference Paper (Full Text), January 2016
ENERGY, Other journals, January 2016
Other journals, January 2014

Metrics

Publication: 25
Citation (WoS): 45
Citation (Scopus): 119
H-Index (WoS): 3
H-Index (Scopus): 4