Asst. Prof. HAYRETTİN GÖKOZAN

Personal Information

Email: hayrettin.gokozan@cbu.edu.tr
Web: https://avesis.mcbu.edu.tr/hayrettin.gokozan

International Researcher IDs
ScholarID: UiQO5fwAAAAJ
ORCID: 0000-0002-8917-4001
Publons / Web Of Science ResearcherID: EYR-4878-2022
ScopusID: 56422368600
Yoksis Researcher ID: 30583

Foreign Languages

English

Dissertations

Doctorate, Endüstriyel tesislerde güç kalitesinin izlenmesi, analizi ve uygun harmonik filtre seçimi, Sakarya University, 2011
Postgraduate, PIC mikrodenetleyici tabanlı deney modülleri tasarımı ve yapımı, Sakarya University, 1999

Academic Positions

Assistant Professor, Manisa Celal Bayar University, Turgutlu Meslek Yüksekokulu, Elektrik Ve Enerji, 2012 - Present
Lecturer, Manisa Celal Bayar University, Turgutlu Meslek Yüksekokulu, Elektrik Ve Enerji, 2004 - 2012

Academic and Administrative Experience

Manisa Celal Bayar University, 2019 - Present
Manisa Celal Bayar University, 2012 - Present

Courses

Associate Degree
ELEKTROMEKANİK KUMANDA SİSTEMLERİ, Associate Degree, 2019-2020, 2018-2019, 2017-2018, 2016-2017
TRAFO VE DOĞRU AKIM MAKİNALARI, Associate Degree, 2019-2020, 2018-2019, 2017-2018, 2016-2017
GİRİŞİMCİLİK, Associate Degree, 2019-2020, 2018-2019, 2017-2018
ÖZEL TASARIMLI MOTORLAR, Associate Degree, 2019-2020, 2018-2019, 2017-2018
ÖZEL TESİSAT, Associate Degree, 2019-2020, 2018-2019

Articles

I. **LuminaOSL: Development and Experimental Validation of a Modular Automated Platform for Optically Stimulated Luminescence Measurements**
Asal E. C., Taştan M., Gökozan H.
SENSORS, vol.26, no.18, pp.1-21, 2026 (SCI-Expanded, Scopus)

II. **Machine Learning-Based Calibration of Low-Cost PM2.5 Sensors Using Location-Specific Environmental Covariates and Feature Engineering Strategies**
GÖKOZAN H.
Chemosensors, vol.14, no.7, 2026 (SCI-Expanded, Scopus)

III. **Comparative Evaluation of Machine Learning and Hyperparameter Optimization Methods for Low-Cost CO2 Sensor Calibration in Terms of Performance and Computational Cost**
Karsu Asal E. C., Taştan M., Gökozan H., Özçevik M., Özçevik Y.
SENSORS, vol.26, no.12, pp.1-19, 2026 (SCI-Expanded, Scopus)

IV. **AQ-MultiCal: An Interactive No-Code Machine Learning Platform for Low-Cost Air Quality Sensor Calibration and Comparative Model Analysis**
Taştan M., Karsu Asal E. C., Gökozan H.
SENSORS, vol.26, no.8, 2026 (SCI-Expanded, Scopus)

V. **Optimization of pure aluminum powder metallurgy compacts with ultra-high frequency induction sintering: Duration, energy, and mechanical performance analysis**
Gökozan H., Taştan M., Cavdar U.
REVISTA DE METALURGIA, vol.61, no.2, 2025 (SCI-Expanded, Scopus)

VI. **Analysis of the Impact of Human Activities on Indoor Air Quality with Internet of Things Based e-Nose**
TAŞTAN M., Gokozan H., Mutlu A.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.18, no.4, pp.393-401, 2022 (TRDizin)

VII. **Heat Treatment of 2024 and 5083 Aluminum Materials by Induction, a Competitive Method, and Cost Analysis**
Çavdar U., Taştan M., Gökozan H., Soy G., Sarı Çavdar P.
Journal of Inorganic and Organometallic Polymers and Materials, vol.31, no.4, pp.1754-1763, 2021 (SCI-Expanded, Scopus)

VIII. **The Effect of an Induction Heating System on Power Quality Parameters**
Gokozan H.
Europan Journal of Science and Technology, vol.0, no.21, pp.25-30, 2021 (TRDizin)

IX. **Traction Motors and Motor Drivers Used in Electric Vehicles**
Gokozan H.
Europan Journal of Science and Technology, vol.0, no.19, pp.105-111, 2020 (TRDizin)

X. **Cost analysis of T6 induction heat treatment for the aluminum-copper powder metal compacts**
TAŞTAN M., GÖKOZAN H., Çavdar P. S., SOY G., Çavdar U.
Science of Sintering, vol.52, no.1, pp.77-85, 2020 (SCI-Expanded, Scopus)

XI. **Real-time monitoring of indoor air quality with internet of things-based e-nose**
Taştan M., Gökozan H.
Applied Sciences (Switzerland), vol.9, no.16, 2019 (SCI-Expanded, Scopus)

XII. **Analysis of artificial aging with induction and energy costs of 6082 Al and 7075 Al materials**
TAŞTAN M., GÖKOZAN H., Çavdar P. S., SOY G., Çavdar U.
Revista de Metalurgia, vol.55, no.1, 2019 (SCI-Expanded, Scopus)

XIII. **An Internet of Things Based Air Conditioning and Lighting Control System for Smart Home**
TAŞTAN M., GÖKOZAN H.
American Scientific Research Journal for Engineering, Technology, and Sciences, vol.50, no.1, pp.181-189, 2018 (Peer-Reviewed Journal)

XIV. **Akıllı Taşıtlar ve Kontrol Sistemleri**
GÖKOZAN H., TAŞTAN M.
Mesleki Bilimler Dergisi (MBD), vol.7, no.2, pp.58-62, 2018 (Peer-Reviewed Journal)

XV. **Energy Consumption Analysis of Sintering Temperature Optimization of Pure Aluminum Powder Metal Compacts Sintered by Using The UHFIS**
TAŞTAN M., GÖKOZAN H., ÇAVDAR P., SOY G., ÇAVDAR U.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.9, no.3, pp.175-185, 2017 (TRDizin)

XVI. **Comparison of electrical energy consumption for different material processing procedures**
GÖKOZAN H., TAŞTAN M., TAŞKIN S., Cavdar P. S., Cavdar U.
Materialpruefung/Materials Testing, vol.58, no.11-12, pp.1009-1013, 2016 (SCI-Expanded, Scopus)

XVII. **Comparative energy consumption analyses of an ultra high frequency induction heating system for material processing applications**
TAŞTAN M., GÖKOZAN H., TAŞKIN S., Çavdar U.
Revista de Metalurgia, vol.51, no.3, 2015 (SCI-Expanded, Scopus)

XVIII. **A neural network based approach to estimate of power system harmonics for an induction furnace under the different load conditions**
GÖKOZAN H., TAŞKIN S., Şeker Ş. S., Ekiz H.
Electrical Engineering, vol.97, no.2, pp.111-117, 2015 (SCI-Expanded, Scopus)

XIX. **Determination of the spectral properties and harmonic levels for driving an induction motor by an inverter driver under the different load conditions**
TAŞKIN S., GÖKOZAN H.
Elektronika ir Elektrotechnika, vol.108, no.2, pp.75-80, 2011 (SCI-Expanded, Scopus)

XX. **Yakıt Pilleri**
SARI A., GÖKOZAN H., TAŞTAN M.
Kaynak Elektrik, vol.7, no.230, pp.148-153, 2008 (Peer-Reviewed Journal)

XXI. **Radyo Frekanslı Tanımlama Sistemleri ve Uygulama Alanları**
TAŞTAN M., GÖKOZAN H.
Endüstri ve Otomasyon, no.126, pp.16-20, 2007 (Peer-Reviewed Journal)

Books

I. **Real-Time Monitoring of Indoor Air Quality with Internet of Things-Based E-Nose**
TAŞTAN M., GÖKOZAN H.
in: INDOOR AIR QUALITY, Dikaia E. Saraga, Editor, MDPI - Multidisciplinary Digital Publishing, Basel, pp.191-203, 2020

II. **SMART BUILDINGS AND ELECTRICAL-ELECTRONIC EQUIPMENTS**
GÖKOZAN H.
in: FROM GÖBEKLİTEPE TO INDUSTRY 4.0: SMART BUILDINGS, SMART CITIES, İzzet YÜKSEK, Editor, GECE AKADEMİ, Ankara, pp.41-58, 2019

III. **AUTONOMOUS ROAD VEHICLES AND ELECTRICAL-ELECTRONIC EQUIPMENT**
GÖKOZAN H., TAŞTAN M.
in: RESEARCH REVIEWS IN ENGINEERING–Summer, 2019, Mahmut TURHAN, Editor, GECE AKADEMİ, Ankara, pp.261-272, 2019

IV. **SMART CITIES AND MANAGEMENT STRATEGIES**
GÖKOZAN H., TAŞTAN M., SARI A.
in: 2017 SOCIO-ECONOMIC STRATEGIES, Prof. Dr. Ali Rıza GÖKBUNAR, Editor, LAP LAMBERT, Antalya, pp.115-126, 2017

V. **SMART CITIES AND MANAGEMENT STRATEGIES**
GÖKOZAN H., TAŞTAN M., SARI A.
in: 2017 Socio-Economic Strategies, Ali Rıza GÖKBUNAR, Florina Oana Virlanuta,Deniz Zungun, Editor, LAP Lambert Academic Publishing, Beau Bassin, pp.115-126, 2017

Papers Presented at Peer-Reviewed Scientific Conferences

I. **AN INTEGRATED SYSTEM DESIGN FOR SPECTROSCOPY**
Karsu Asal E. C., Taştan M., Gökozan H.
14th International Conference on Materials Science and Engineering, Brasov, Romania, 4 - 06 March 2026, vol.1, no.1, pp.16, (Summary Text)

II. **Internet of Things and Cybersecurity**
GÖKOZAN H.
VII. International Strategic Research Congress (ISRC2020), Antalya, Turkey, 28 October - 01 November 2020, pp.16, (Summary Text)

III. **DETERMINATION OF POWER QUALITY PARAMETERS OF A THREE PHASE INDUCTION MOTOR OPERATED WITH INVERTER**
GÖKOZAN H.
MAS 10th INTERNATIONAL EUROPEAN CONFERENCE on MATHEMATİCS, ENGINEERING, NATURALMEDICAL SCIENCES, İzmir, Turkey, 14 - 15 December 2019, pp.212-218, (Full Text)

IV. **TURKEY'S BETWEEN 2014-2018 YEARS ELECTRICITY PRODUCTION CAPACITY AND ANALYSIS ACCORDING TO RESOURCES**
GÖKOZAN H., TAŞTAN M., MUTLU A.
Hezarfen Uluslararası Fen Matematik ve Mühendislik bilimleri Kongresi, İzmir, Turkey, 8 - 10 November 2019, pp.220-227, (Full Text)

V. **Real-time Monitoring of Indoor Air Quality Related to Human Activity with the Internet of Things Based e-nose**
TAŞTAN M., GÖKOZAN H., MUTLU A.
10.International Symposium on Intelligent Manufacturing and Service Systems, Sakarya, Turkey, 9 - 11 September 2019, pp.17-25, (Full Text)

VI. **Concentrated Photovoltaic Systems**
TAŞTAN M., GÖKOZAN H.
International Vocational Science Symposium (IVSS 2018), Antalya, Turkey, 26 - 29 April 2018, (Summary Text)

VII. **SMART VEHICLES AND CONTROL SYSTEMS**
GÖKOZAN H., TAŞTAN M.
International Vocational Science Symposium (IVSS2018), 26 - 29 April 2018, (Summary Text)

VIII. **ENERGY CONSUMPTION ANALYSIS OF THE ULTRA-HIGH FREQUENCY INDUCTION SINTERING TEMPERATURE OPTIMIZATION OF PURE ALUMINUM PM COMPACTS**
TAŞTAN M., GÖKOZAN H., ÇAVDAR P., SOY G., ÇAVDAR U.
I. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS (BILMES 2017), 5 - 08 October 2017, pp.945-952, (Full Text)

IX. **AKILLI ŞEHİRLER VE YÖNETİM STRATEJİLERİ**
GÖKOZAN H., TAŞTAN M., SARI A.
ULUSLARARASISTRATEJIK ARASTIRMALARKONGRESI ISRC2017, Antalya, Turkey, 28 September - 01 October 2017, pp.327-331, (Full Text)

X. **Smart Cities and Management Strategies**
GÖKOZAN H., TAŞTAN M., SARI A.
International Strategic Research Congress (ISRC2017), Antalya, Turkey, 28 September - 01 October 2017, (Full Text)

XI. **ENERGY CONSUMPTION ANALYSIS OF THE ULTRA-HIGHFREQUENCY INDUCTION SINTERING PARAMETERS OF PURE ALUMINUM PM COMPACTS**
GÖKOZAN H., TAŞTAN M., ÇAVDAR P., SOY G., ÇAVDAR U.
3. International Porous and Powder Materials Symposium and Exhibition – PPM 2017, Aydın, Turkey, 12 - 15 September 2017, pp.70-76, (Full Text)

XII. **ANALYSIS OF COMPARATIVE ENERGY CONSUMPTION OF ANULTRA-HIGH FREQUENCY INDUCTION HEATING SYSTEM FOR T6 HEAT TREATMENT APPLIED TO THE AL-CU POWDER METALCOMPACTS**

TAŞTAN M., GÖKOZAN H., ÇAVDAR P., SOY G., ÇAVDAR U.
3.International Porous and Powder Materials Symposium and Exhibition – PPM 2017, Aydın, Turkey, 12 - 15 September 2017, pp.523-529, (Full Text)

XIII. **An Implementation of Control Strategies in Microgrids**
TAŞKIN S., GÖKOZAN H.
International Istanbul Smart Grids Conference (ICSG'2014), 8 - 09 May 2014, pp.91-93, (Full Text)

XIV. **Çok Fonksiyonlu Güç Kalitesi İzleme ve Veri Toplama Sistemi**
GÖKOZAN H., TAŞKIN S.
ELECO'xx2012, Turkey, 29 - 01 November 2012, (Full Text)

Funded Projects

YAZICI A., GÖKOZAN H., ÇAVDAR U., TAŞTAN M., Project Supported by Higher Education Institutions, Toprak Kazanı Aşındırma Test Cihazı Patent Başvuru SürecininYürütülmesi, 2017 - 2017
TAŞTAN M., GÖKOZAN H., SARI A., PARALI L., Project Supported by Higher Education Institutions, Lazer Tabanlı Sayısal Ölçüm Sistemi ile Piezoelektrik Sensörlerin Titreşim Özelliklerinin Belirlenmesi, 2016 - 2017
SARI A., GÖKOZAN H., TAŞTAN M., PARALI L., Project Supported by Higher Education Institutions, Lazer Tabanlı Sayısal Ölçüm Sistemi ile Piezoelektrik Sensörlerin Titreşim Özelliklerinin Belirlenmesi., 2016 - 2017
GÖKOZAN H., SARI A., TAŞTAN M., PARALI L., Project Supported by Higher Education Institutions, Lazer Tabanlı Sayısal Ölçüm Sistemi ile Piezoelektrik Sensörlerin Titreşim Özelliklerinin Belirlenmesi, 2015 - 2017

Patent

YAZICI A., GÖKOZAN H., ÇAVDAR U., TAŞTAN M., AŞINDIRICI TOPRAK KAZANI TEST CİHAZI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, Standard Registration, 2021

Peer Reviews in Scientific Publications

Other journals, January 2017
Other Journals, January 2016
ELECTRICAL ENGINEERING, Other journals, January 2016

Metrics

Publication: 42
Citation (WoS): 32
Citation (Scopus): 199
H-Index (WoS): 3
H-Index (Scopus): 5

Non Academic Experience

Celal Bayar Üniversitesi turgutlu Meslek Yüksekokulu, Öğretim Görevlisi
Federal Elektrik Adapazarı, Eğitim Sorumlusu
Dumlupınar Üniversitesi Simav Teknik Eğitim Fakültesi Elektrik Bölümü, Öğretim görevlisi
Çankırı Endüstri Meslek Lisesi, Öğretmen
Balıkesir Gönen Endüstri Meslek Lisesi, Öğretmen