

AHMET YIĞIT ARABUL

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Publons / Web Of Science ResearcherID: AAI-6960-2020

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Biography

Assoc. Prof. Ahmet Yiğit Arabul received his B.Sc., M.Sc. and Ph.D. degrees from the Department of Electrical Engineering at Yildiz Technical University in 2008, 2011, and 2016, respectively. Within the same department, he served as a Research Assistant from 2010 to 2020, an Assistant Professor from 2020 to 2023, and has been an Associate Professor since 2023. Throughout this period, he undertook administrative roles at Yildiz Technical University, including Co-Head of Department, Faculty Communication Coordinator, Alumni Co-Coordinator, Advisor to Vice-Rector, and Head of the Health, Culture, and Sports Department. Arabul served as a Visiting Assistant Professor at the University of Waterloo in Canada under the "TÜBİTAK 2219 - International Postdoctoral Research Fellowship Program" between 2022 and 2023. Engaging in numerous projects, he has authored over 30 publications, with 14 indexed in SCI-E. Currently, he supervises 4 Ph.D and 8 M.Sc. theses. His research interests encompass electrical machines, transformers, renewable energy and high voltage.

Education

Doctorate 2011 - 2016	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey
Postgraduate 2008 - 2011	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey
Undergraduate 2004 - 2008	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, Turkey

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Vocational Training, North American Partial Discharge Symposium, Omicron Academy, 2022

Education Management and Planning, TUBITAK 2237 Project Training / R&D Project Writing and Execution Certificate, TUBITAK, 2014

Foreign Language, Intensive English Program, Intensive English Institute at University of Illinois, 2009

Foreign Language, Intensive English Program, ELS Language Centers Miami, 2005

Dissertations

Doctorate, Development of a Hot-Spot Temperature Calculation for Life Estimation of a Natural Cooling Cylindrical Winding Distribution Transformers, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2016

Postgraduate, Residential Application of a Stand Alone Fuel Cell System, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2011

Academic Titles / Tasks

Associate Professor 2023 - Continues	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department
Assistant Professor 2022 - 2023	University of Waterloo, Faculty of Engineering, Electrical & Computer Engineering
Assistant Professor 2020 - 2023	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department
Research Assistant PhD 2016 - 2020	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department
Research Assistant 2010 - 2016	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department

Supported Projects

1. KESKİN ARABUL F., KARTAL E. T., YAŞA Y., ARABUL A. Y., BEKİROĞLU K. N., Project Supported by Higher Education Institutions, Elektrikli Araçlar için Sürekli Mıknatıs Destekli Senkron Relüktans Motor Tasarımı ve Uygulaması, 2024 - Continues
2. Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçınar Sel B., Erdem Okumuş D., Kılıç B., Özarpacı S., Bayrak O. C., Sakarya A., et al., Project Supported by Higher Education Institutions, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024
3. Yavuz S., Bekiroğlu K. N., Arabul A. Y., Keskin Arabul F., Uslu E., Amasyalı M. F., Obdan A. H., Özçıra Özkılıç S., Project Supported by Higher Education Institutions, Otonom Karşılama ve Güvenlik Robotu, 2022 - 2024
4. Arabul A. Y., TUBITAK Project, Investigation of power system harmonics including high frequency transients on distribution transformer insulation performance connected to renewable energy sources, 2022 - 2023
5. Arabul A. Y., Sabuncu M., TUBITAK Project, Fırçasız DC Motor Kontrol Etmek İçin Motor Sürücü Devre Tasarımı, 2022 - 2023
6. Arabul A. Y., Şenol I., Kumru C. F., TUBITAK Project, Experimental Investigation of Creep Characteristic of Spacer Insulation Component between Winding Turns in Power Transformers under Different Operating Conditions, 2019 - 2020
7. Şenol I., Bekiroğlu K. N., Öner Y., Aydeniz M. G., Industrial Thesis Project, Development and Application of a National Transformer Monitoring System, 2014 - 2015

8. Acarkan B., Arabul A. Y., Inan A., Project Supported by Higher Education Institutions, Analysis of Thermal Specification of Illumination Equipment under Sinusoidal and Non-sinusoidal Supply Voltage Conditions, 2012 - 2013
9. Arabul A. Y., Şenol İ., Bekiroğlu K. N., Zorlu Partal S., Aydeniz M. G., Ayçiçek E., Öner Y., Project Supported by Higher Education Institutions, Experimental Realization of Mixed Structure Design that Minimizes Knock Moment in Axial Flux Permanent Magnet Synchronous Motor, 2011 - 2013

Awards

1. Arabul A. Y., Assistant Professor in the Top 10, Yıldız Teknik Üniversitesi, March 2022

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Electric Machine Design and Integration for an Electric Propulsion System in Medium-Altitude Long-Endurance Unmanned Aerial Vehicles**
Kurt E., Arabul A. Y., Keskin Arabul F., Şenol İ.
APPLIED SCIENCES, vol.15, no.7, pp.3438, 2025 (SCI-Expanded)
2. **Parallel hybrid propulsion system with integration of designed electric machine for medium altitude long endurance UAV**
Kurt E., ARABUL A. Y., KESKİN ARABUL F., ŞENOL İ.
Heliyon, vol.11, no.4, 2025 (SCI-Expanded)
3. **A Multi-Phase Brushless Direct Current Motor Design and Its Implementation in Medium-Altitude Long-Endurance Unmanned Aerial Vehicles**
Kurt E., Arabul A. Y., Keskin Arabul F., Şenol İ.
APPLIED SCIENCES, vol.14, no.14, pp.11550-11563, 2024 (SCI-Expanded)
4. **Comprehensive Multidisciplinary Electric Vehicle Modeling: Investigating the Effect of Vehicle Design on Energy Consumption and Efficiency**
Aslan E., Yaşa Y., Meseci Y., Keskin Arabul F., Arabul A. Y.
SUSTAINABILITY, vol.16, no.12, pp.4928, 2024 (SCI-Expanded)
5. **Aerodynamic Efficiency and Performance Development in an Electric Powered Fixed Wing Unmanned Aerial Vehicle**
Kaynak B., ARABUL A. Y.
Electric Power Components and Systems, vol.51, no.7, pp.724-732, 2023 (SCI-Expanded)
6. **A bi-level charging management approach for electric truck charging station considering power losses**
GÖKÇEK T., Turan M. T., ATEŞ Y., ARABUL A. Y.
Turkish Journal of Electrical Engineering and Computer Sciences, vol.30, no.3, pp.943-960, 2022 (SCI-Expanded)
7. **Perspectives and Development of Electrical Systems in More Electric Aircraft**
ARABUL A. Y., Kurt E., Arabul F. K., ŞENOL İ., Schrotter M., Breda R., Megyesi D.
INTERNATIONAL JOURNAL OF AEROSPACE ENGINEERING, vol.2021, 2021 (SCI-Expanded)
8. **Experimental investigation on creep characteristic of the spacer between winding turns of power transformers**
Arabul A. Y., Kumru C. F., Keskin Arabul F., Şenol İ.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.5, pp.1019-1027, 2021 (SCI-Expanded)
9. **Determination of transformer board creep parameters under high-mechanical and thermal stresses**
ARABUL A. Y., KUMRU C. F., KESKİN ARABUL F.
IET SCIENCE MEASUREMENT & TECHNOLOGY, vol.15, no.1, pp.94-100, 2021 (SCI-Expanded)
10. **Impact of hybrid power generation on voltage, losses, and electricity cost in distribution networks**

ATEŞ Y., GÖKÇEK T., ARABUL A. Y.

TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.3, pp.1720-1735, 2021 (SCI-Expanded)

11. **Low voltage battery management system with internal adaptive charger and fuzzy logic controller**
Goksu O. F., ARABUL A. Y., Vural R. A.
Energies, vol.13, no.9, 2020 (SCI-Expanded)
12. **Development of a hot-spot temperature calculation method for the loss of life estimation of an ONAN distribution transformer**
Arabul A. Y., Şenol İ.
ELECTRICAL ENGINEERING, vol.100, pp.1651-1659, 2018 (SCI-Expanded)
13. **Experimental thermal investigation of an ONAN distribution transformer by fiber optic sensors**
Arabul A. Y., Keskin Arabul F., Şenol İ.
ELECTRIC POWER SYSTEMS RESEARCH, vol.155, pp.320-330, 2018 (SCI-Expanded)
14. **Providing energy management of a fuel cell-battery-wind turbine-solar panel hybrid off grid smart home system**
Keskin Arabul F., Arabul A. Y., Kumru C. F., Boynueğri A. R.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.42, no.43, pp.26906-26913, 2017 (SCI-Expanded)

Articles Published in Other Journals

1. **THERMAL ANALYSIS OF XLPE INSULATED SUBMARINE CABLES FOR DIFFERENT LOADING CONDITIONS**
ARABUL A. Y., KUMRU C. F.
Journal of Naval Sciences and Engineering, vol.19, no.1, pp.35-51, 2023 (Peer-Reviewed Journal)
2. **Design Improvements for Upgrading an IE3 Efficiency Class 5.5 kW Induction Motor to IE4 Efficiency Class**
AYBENİZ Y., BEKİROĞLU K. N., KESKİN ARABUL F., OBDAN A. H., ARABUL A. Y.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.133-141, 2022 (Peer-Reviewed Journal)
3. **Induction Traction Motor Design and Performance Analysis for Railways**
Ulu E., Bekiroğlu K. N., Keskin Arabul F., Arabul A. Y.
Avrupa Bilim ve Teknoloji Dergisi, no.35, pp.243-251, 2022 (Peer-Reviewed Journal)
4. **Numerical Analysis and Comparison of Magnetic Fields Caused by Constant and Time Varying Currents in Medium Voltage Underground Cables**
Kumru C. F., Arabul A. Y.
European Journal of Science and Technology, no.35, pp.449-454, 2022 (Peer-Reviewed Journal)
5. **Modelling of the equally distributed air gapped shunt reactor**
Arabul A. Y., Kurt E., Keskin Arabul F., Şenol İ.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.26, no.2, pp.286-294, 2020 (ESCI)

Books

1. **Electric Machinery Experiments**
Şenol İ., Bekiroğlu K. N., Zorlu Partal S., Aydeniz M. G., Ayçiçek E., Özçira S., Öner Y., Arabul A. Y., Ağçal A., Keskin Arabul F.
Birsen Yayınevi, İstanbul, 2016

Papers Published in Refereed Scientific Meetings

1. **Calculating The Carbon Footprint of Industrial Induction Motors Via Life Cycle Analysis**
Coşkun E., Arabul A. Y.
International Symposium on Applied Geoinformatics (ISAG2024), Wroclaw, Poland, 9 - 10 May 2024, pp.137-141
2. **Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması**
Doğan U., Yüzer N., Acar U., Akbaba M. F., Akbulut M. T., Akgün C., Akın O., Akkaya H. C., Akpınar B., Aktaş Z., et al.
Türkiye Ulusal Jeodezi Komisyonu (TUJK) XXII. Sempozyumu 2023, Trabzon, Turkey, 29 November - 01 December 2023, pp.5-6
3. **A study on the use of zinc oxide micro-varistor based field grading materials for composite line insulators**
Keskin Arabul F., Arabul A. Y., Cherney E., Jayaram S.
2023 IEEE Electrical Insulation Conference (EIC), Quebec, Canada, 18 - 21 June 2023, pp.117-120
4. **Investigation of temperature effects on the ageing of paper-oil insulation under repetitive transient voltages**
Arabul A. Y., Keskin Arabul F., Jayaram S.
2023 IEEE Electrical Insulation Conference (EIC), Quebec, Canada, 18 - 21 June 2023, pp.183-186
5. **Evaluation of the Stress Grading System of Medium Voltage Motors Fed by Adjustable Speed Drives under Elevated Ambient Temperatures**
KESKİN ARABUL F., ARABUL A. Y., Naeini A., Jayaram S., Cherney E.
2023 IEEE Conference on Electrical Insulation and Dielectric Phenomena, CEIDP 2023, New Jersey, United States Of America, 15 - 19 October 2023
6. **Conversion of the Propulsion System Used in Unmanned Aircraft Vehicles to Electricity**
Kurt E., Arabul A. Y.
International Euroasia Congress on Scientific Researches and Recent Trends 9, Antalya, Turkey, 18 - 20 February 2022, vol.3, pp.13-25
7. **Sizing, Design and Analysis of Fixed Wing Unmanned Aerial Vehicle's Wing**
Kaynak B., Arabul A. Y.
6th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 25 - 27 June 2021, pp.74-81
8. **Electrical Machines which are used in More Electric Aircraft**
ARABUL A. Y., KURT E., ŞENOL İ.
Euroasia 5th. International Congress on Applied Sciences, Adana, Turkey, 15 - 17 November 2019, pp.719-726
9. **Electrode Design to Simulate Electrical Stress on Spacer Used In Creep Test Set-Up**
Arabul A. Y., Kumru C. F., Keskin Arabul F., Şenol İ.
Euroasia 5th. International Congress on Applied Sciences, Adana, Turkey, 15 - 17 November 2019, pp.712-718
10. **An experimental test set-up design for acquiring creep curve of the spacer between the winding turns of power transformers**
ARABUL A. Y., KESKİN ARABUL F., KUMRU C. F., ŞENOL İ.
6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Turkey, 25 - 27 October 2018
11. **Providing Energy Management of a Fuel Cell-Battery-Wind Turbine-Solar Panel Hybrid Grid Independent Smart Home System**
Keskin Arabul F., Arabul A. Y., Kumru C. F., Boynueğri A. R.
International Green Energy Conference & Euro-Mediterranean Hydrogen Technologies Conference 2016. ETRERA 2020, Tunis, Tunisia, 10 May 2016, pp.1
12. **An Investigation On Flux Density Of Three Phase Distributed Air-Gap 3-5 Legged Shunt Reactor**
Kurt E., ARABUL A. Y., ŞENOL İ., KESKİN ARABUL F.
Proceedings of The IRES 21st International Conference, Amsterdam, Netherlands, 23 December 2015, pp.91-95
13. **An Investigation on Hot-Spot Temperature Calculation Methods of Power Transformers**
Arabul A. Y., Şenol İ., Keskin Arabul F., Aydeniz M. G., Öner Y., Kalkan G.
ICPCE 2015 : 17th International Conference on Power and Control Engineering, Paris, France, 27 - 28 August 2015, vol.9, no.8, pp.1036-1040
14. **Providing Energy Management of a Fuel Cell-Battery Hybrid Electric Vehicle**

Keskin Arabul F., Şenol İ., Arabul A. Y., Boynueğri A. R.

ICPCE 2015 : 17th International Conference on Power and Control Engineering, Paris, France, 27 - 28 August 2015, vol.9, no.8, pp.975-979

15. **An Experimental Study For Comparing The Effect Of The Magnetic Field On Human Health Around Transformers In Sinusoidal And Non-Sinusoidal Current Conditions**

Arabul A. Y., Senol I., Kumru C. F., Boynuegri A. R., Keskin Arabul F.

The 5th International Symposium on Sustainable Development (ISSD2014), Sarajevo, Bosnia And Herzegovina, 15 May 2014, pp.129-136

16. **Evsel Bir Yük Talebinin Karşılanmasında Yakıt Pili Kullanılmasına Yönelik Bir Benzetim Çalışması**

ARABUL A. Y., SARUL M. H., BOYNUEĞRİ A. R., KUMRU C. F.

Elektrik Elektronik Ve Bilgisayar Mühendisliği Sempozyumu ELECO 2012, Bursa, Turkey, 29 November 2012, pp.171-175

Academic and Administrative Experience

2025 - Continues	Assistant Manager of Research and Application Center	Yildiz Technical University, Rectorate, Rectorate
2024 - Continues	Advisor to the Vice Rector	Yildiz Technical University, Rectorate, Rectorate
2024 - 2025	Head of Health, Culture and Sports Department	Yildiz Technical University, Rectorate, Rectorate
2022 - 2025	Alumni Co-Coordinator	Yildiz Technical University, Rectorate, Rectorate
2023 - 2024	Head of Health, Culture and Sports Department	Yildiz Technical University, Rectorate, Rectorate
2021 - 2024	Advisor to the Vice Rector	Yildiz Technical University, Rectorate, Rectorate
2021 - 2024	Faculty Communication Coordinator	Yildiz Technical University, Faculty Of Electrical & Electronics
2020 - 2021	Deputy Head of Department	Yildiz Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department

Courses

Postgraduate

Finite Element Method for Electrical Engineers, Postgraduate, 2020 - 2021

Undergraduate

Numeric Analysis, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019

Graduation Thesis, Undergraduate, 2020 - 2021

Electrical Machines, Undergraduate, 2020 - 2021, 2019 - 2020

Occupational Health and Safety 1, Undergraduate, 2020 - 2021, 2018 - 2019

Electric Machinery Laboratory 1, Undergraduate, 2020 - 2021

Engineering Design, Undergraduate, 2020 - 2021

Multidisciplinary Design Project, Undergraduate, 2020 - 2021

Numerical Methods In Biomedical Engineering, Undergraduate, 2019 - 2020
Electric Machinery Laboratory 2, Undergraduate, 2019 - 2020
Electromechanical Energy Conversion, Undergraduate, 2017 - 2018
Mathematical Methods in Electrical Machinery, Undergraduate, 2017 - 2018

Supervised Theses

Arabul A. Y., Şenol İ., Design of the Electrical Propulsion System for Unmanned Aerial Vehicles, Doctorate, E.Kurt(Student), Continues
Arabul A. Y., The Effect of Electric Vehicle Charging Stations on the Electricity Distribution Network, Postgraduate, M.Özdemir(Student), Continues
Arabul A. Y., Investigation of Linear Motor Usage Areas and Linear Motor Design, Postgraduate, M.Aksu(Student), Continues
Arabul A. Y., Reducing Harmonic Values and Increasing Energy Quality in Railway Systems through 24 Pulse Rectifiers, Postgraduate, F.Ünlü(Student), Continues
Arabul A. Y., Renewable Energy Sustainability Roadmap: Business Models and Production Forecast Analysis, Doctorate, M.Mete(Student), Continues
Arabul A. Y., Modeling and simulation of aircraft electrical systems, Doctorate, F.Şener(Student), Continues
Arabul A. Y., Hydrogen Fuel Cell Integration and Optimization for All-Electric Aircraft Systems, Postgraduate, B.Mustafa(Student), Continues
Arabul A. Y., Online Condition Monitoring for Wind Turbine Generators, Doctorate, R.Selçuk(Student), Continues
Arabul A. Y., Research and Predictions on Future Transformer Technologies and Trends, Postgraduate, S.Yavuzyiğit(Student), Continues
Arabul A. Y., Life cycle analysis of electrical motor system based on different electrical machine power and energy efficiency level, Postgraduate, E.Coşkun(Student), 2025
Arabul A. Y., The Effect of Wing Geometry Optimization on Performance in Fixed-Wing Unmanned Aerial Vehicle, Postgraduate, B.Kaynak(Student), 2022

Activities in Scientific Journals

Power System Engineering Research, Assistant Editor/Section Editor, 2023 - Continues
Journal of Naval Sciences and Engineering, Publication Committee Member, 2023 - 2025
Progress of Electrical and Electronic Engineering, Committee Member, 2018 - 2021
Vehicle Dynamics, Committee Member, 2017 - 2021

Peer Reviews in Scientific Publications

APPLIED ENERGY, SCI Journal, February 2025
APPLIED ENERGY, SCI Journal, December 2024
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, November 2024
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, October 2024
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, September 2024
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, August 2024
APPLIED SCIENCES, Journal Indexed in SCI-E, July 2024
SCIENTIFIC REPORTS, Journal Indexed in SCI-E, May 2024
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, January 2024
SUSTAINABLE CITIES AND SOCIETY, Journal Indexed in SCI-E, October 2023
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, July 2023

IEEE OPEN JOURNAL OF THE INDUSTRIAL ELECTRONICS SOCIETY, Journal Indexed in ESCI, July 2023
SUSTAINABILITY, Journal Indexed in SCI-E, July 2023
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, Journal Indexed in SCI-E, June 2023
APPLIED SCIENCES, Journal Indexed in SCI-E, June 2023
SUSTAINABILITY, Journal Indexed in SCI-E, May 2023
Turkish Journal Of Electrical Power And Energy Systems, Other Indexed Journal, May 2023
ENERGIES, Journal Indexed in SCI-E, May 2023
Turkish Journal of Electrical Power and Energy Systems, Other Indexed Journal, April 2023
APPLIED SCIENCES, Journal Indexed in SCI-E, April 2023
APPLIED SCIENCES, Journal Indexed in SCI-E, April 2023
CYBERNETICS AND SYSTEMS, Journal Indexed in SCI-E, April 2023
APPLIED SCIENCES, Journal Indexed in SCI-E, March 2023
SENSORS, Journal Indexed in SCI-E, March 2023
APPLIED SCIENCES, Journal Indexed in SCI-E, March 2023
ENERGIES, Journal Indexed in SCI-E, February 2023
SENSORS, Journal Indexed in SCI-E, February 2023
IEEE Open Journal of the Industrial Electronics Society, Journal Indexed in ESCI, February 2023
IEEE ACCESS, Journal Indexed in SCI-E, February 2023
Journal of Naval Sciences and Engineering, National Scientific Refreed Journal, January 2023
SENSORS, Journal Indexed in SCI-E, January 2023
ENERGY REPORTS, Journal Indexed in SCI-E, January 2023
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, Journal Indexed in SCI-E, January 2023
SUSTAINABILITY, Journal Indexed in SCI-E, December 2022
DRONES, Journal Indexed in SCI-E, December 2022
SENSORS, Journal Indexed in SCI-E, December 2022
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, November 2022
SENSORS, Journal Indexed in SCI-E, November 2022
SENSORS, Journal Indexed in SCI-E, November 2022
SUSTAINABILITY, Journal Indexed in SCI-E, November 2022
SENSORS, Journal Indexed in SCI-E, November 2022
SENSORS, Journal Indexed in SCI-E, October 2022
IEEE TRANSACTIONS ON ENGINEERING MANAGEMENT, Journal Indexed in SCI-E, October 2022
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, October 2022
APPLIED SCIENCES, Journal Indexed in SCI-E, October 2022
ENERGY REPORTS, Journal Indexed in SCI-E, October 2022
SENSORS, Journal Indexed in SCI-E, October 2022
SENSORS, Journal Indexed in SCI-E, September 2022
APPLIED SCIENCES, Journal Indexed in SCI-E, June 2022
APPLIED SCIENCES, Journal Indexed in SCI-E, May 2022
APPLIED SCIENCES, Journal Indexed in SCI-E, May 2022
APPLIED SCIENCES-BASEL, Journal Indexed in SCI-E, April 2022
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, April 2022
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, March 2022
APPLIED SCIENCES, Journal Indexed in SCI-E, March 2022
AVRUPA BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, March 2022
MACHINES, Journal Indexed in SCI-E, February 2022
Energy, Ecology and Environment, Journal Indexed in ESCI, February 2022
BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, National Scientific Refreed Journal, February 2022
ENERGIES, Journal Indexed in SCI-E, January 2022

IEEE ACCESS, Journal Indexed in SCI-E, August 2021
IEEE ACCESS, Journal Indexed in SCI-E, July 2021
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, Journal Indexed in SCI-E, February 2021
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Journal, September 2020
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, August 2020
APPLIED ENERGY, SCI Journal, June 2020
APPLIED ENERGY, SCI Journal, June 2020
APPLIED ENERGY, SCI Journal, June 2020
APPLIED ENERGY, SCI Journal, June 2020
APPLIED ENERGY, SCI Journal, May 2020
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, May 2020
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, May 2020
APPLIED ENERGY, SCI Journal, May 2020
MECHANICS BASED DESIGN OF STRUCTURES AND MACHINES, Journal Indexed in SCI-E, April 2020
APPLIED ENERGY, SCI Journal, April 2020
APPLIED ENERGY, SCI Journal, April 2020
APPLIED ENERGY, SCI Journal, April 2020
APPLIED ENERGY, SCI Journal, April 2020
APPLIED ENERGY, SCI Journal, April 2020
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, March 2020
APPLIED ENERGY, SCI Journal, February 2020
APPLIED ENERGY, SCI Journal, February 2020
APPLIED ENERGY, SCI Journal, February 2020
APPLIED ENERGY, SCI Journal, January 2020
APPLIED ENERGY, SCI Journal, January 2020
APPLIED ENERGY, SCI Journal, December 2019
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, November 2019
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, November 2019
APPLIED ENERGY, SCI Journal, November 2019
APPLIED ENERGY, SCI Journal, November 2019
APPLIED ENERGY, SCI Journal, November 2019
APPLIED ENERGY, SCI Journal, October 2019
APPLIED ENERGY, SCI Journal, October 2019
Journal Of Cleaner Production, Journal Indexed in SCI-E, October 2019
APPLIED ENERGY, SCI Journal, October 2019
Elektrik Elektronik Mühendisliği Kongresi (EEMKON 2019), Conference Paper (Full Text), October 2019
Journal Of Cleaner Production, Journal Indexed in SCI-E, September 2019
APPLIED ENERGY, SCI Journal, July 2019
SEST 2019 - 2nd International Conference on Smart Energy Systems and Technologies, Other journals, June 2019
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ
DERGİSİ, Journal Indexed in ESCI, May 2019
APPLIED ENERGY, SCI Journal, April 2019
APPLIED ENERGY, SCI Journal, April 2019
Energy, Ecology and Environment, Journal Indexed in ESCI, April 2019
APPLIED ENERGY, SCI Journal, April 2019

Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, March 2019
APPLIED ENERGY, SCI Journal, March 2019
Energy, Ecology and Environment, Journal Indexed in ESCI, March 2019
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, February 2019
APPLIED ENERGY, SCI Journal, February 2019
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, January 2019
APPLIED ENERGY, SCI Journal, January 2019
APPLIED ENERGY, SCI Journal, November 2018
APPLIED ENERGY, SCI Journal, September 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
APPLIED ENERGY, SCI Journal, July 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
6th International Conference on Control Engineering & Information Technology (CEIT2018), Conference Paper (Full Text), July 2018
APPLIED ENERGY, SCI Journal, June 2018
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, May 2018
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, May 2018
5th International Conference on Electric Power and Energy Conversion Systems (EPECS2018), Conference Paper (Full Text), January 2018
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, December 2017
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, December 2017
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, October 2017
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, Journal Indexed in SCI-E, June 2017

Tasks In Event Organizations

Arabal A. Y., The 4th International Conference of Materials and Engineering Technology (TICMET'22), Scientific Congress, İstanbul, Turkey, Eylül 2022

Metrics

Publication: 38
Citation (WoS): 101
Citation (Scopus): 201
H-Index (WoS): 4
H-Index (Scopus): 7

Congress and Symposium Activities

4th SEERC Conference, Attendee, İstanbul, Turkey, 2023

2023 IEEE Electrical Insulation Conference (EIC), Attendee, Quebec, Canada, 2023

Euro Asia 5th. International Congress on Applied Sciences, Attendee, Adana, Turkey, 2019

6th International Conference on Control Engineering Information Technology (CEIT 2018), Attendee, İstanbul, Turkey, 2018

The IRES-27th International Conference on Innovative Engineering Technologies (ICIET), Attendee, Amsterdam, Netherlands, 2015

17th International Conference on Power and Control Engineering (ICPCE 2015), Attendee, Paris, France, 2015

ELEKTRİK - ELEKTRONİK ve BİLGİSAYAR MÜHENDİSLİĞİ SEMPOZYUMU (ELECO 2012), Attendee, Bursa, Turkey, 2012

Research Areas

Electrical and Electronics Engineering, Energy, Power Electronics, Electrical Machine Theory and Design, Power Apparatus (transformers,reactors,switchgear,etc.), Engineering and Technology

Non Academic Experience

Cape Peninsula University of Technology, Erasmus+ (Teaching Mobility)