

# AHMET YIĞIT ARABUL

## ASSOC. PROF.

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### International Researcher IDs

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

ScopusID: 57195640327

Yoksis Researcher ID: 190069



## 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 11 indexed in SCI-E. Currently, he supervises 5 Ph.D and 4 M.Sc. theses. His research interests encompass electrical machines, transformers, renewable energy and high voltage.

## Learning Knowledge

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., ARABUL A. Y., BEKİROĞLU K. N., KESKİN ARABUL F., OBDAN A. H., Kaya Ö. F., ÖZÇİRA ÖZKILIÇ S., Güzel S., USLU E., Arıtürk M., et al., 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. **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, no.14, pp.11550-11563, 2024 (SCI-Expanded)
2. **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)
3. **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)
4. **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)
5. **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)
6. **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)
7. **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)
8. **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)
9. **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)
10. **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)

11. **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)

12. **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 UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.26, no.2, pp.286-294, 2020 (ESCI)

6. **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.

World Academy of Science, Engineering and Technology International Journal of Energy and Power Engineering, no.9, pp.1036-1040, 2015 (Peer-Reviewed Journal)

7. **Providing Energy Management of a Fuel Cell-Battery Hybrid Electric Vehicle**

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

World Academy of Science, Engineering and Technology International Journal of Energy and Power Engineering, no.9, pp.975-979, 2015 (Peer-Reviewed Journal)

### **Books & Book Chapters**

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

## Refereed Congress / Symposium Publications in Proceedings

1. **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
2. **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
3. **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
4. **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
5. **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
6. **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
7. **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
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. **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
10. **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
11. **An Investigation On Flux Density Of Three Phase Distrubuted 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
12. **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
13. **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

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

## Courses

Numeric Analysis, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Finite Element Method for Electrical Engineers, Postgraduate, 2020 - 2021  
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

## Advising Theses

Arabul A. Y., Life cycle analysis of electrical motor system based on different electrical machine power and energy efficiency level, Postgraduate, E.Coşkun(Student), Continues  
Arabul A. Y., Design and implementation of a hybrid energy station, Postgraduate, C.Mirac(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., Şenol İ., Design of the Electrical Propulsion System for Unmanned Aerial Vehicles, Doctorate, E.Kurt(Student), Continues  
Arabul A. Y., Research and Predictions on Future Transformer Technologies and Trends, Postgraduate, S.Yavuzyiğit(Student), Continues  
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

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

## Scientific Refereeing

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



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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  
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APPLIED ENERGY, SCI Journal, February 2020  
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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 UNIVERSITESI MUHENDISLIK BILIMLERI  
DERGISI, 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

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

## Metrics

Publication: 35

Citation (WoS): 101

Citation (Scopus): 196

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