

Dr.Öğr.Üyesi VELİ TAYFUN KILIÇ

Kişisel Bilgiler

E-posta: tayfun.kilic@agu.edu.tr

Web: <https://avesis.agu.edu.tr/tayfun.kilic>

Uluslararası Araştırmacı ID'leri

ScholarID: XN65m2sAAAAJ

ORCID: 0000-0001-6806-9053

Publons / Web Of Science ResearcherID: ABA-5804-2021

Yoksis Araştırmacı ID: 277886

Araştırma Alanları

Haberleşme Mühendisliği, Mikro ve Nano Haberleşme, Uydu Haberleşmesi , Elektrik-Elektronik Mühendisliği, Elektronik, Elektromanyetik, Enerji, Elektriksel ve Manyetik Özellikler, Aviyonik Elektronik Sistemler, Mühendislik ve Teknoloji

Verdiği Dersler

ANTENNAS, Yüksek Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020

SENIOR DESIGN PROJECT CAPSULE I, Lisans, 2021 - 2022, 2020 - 2021

BIOMEDICAL ELECTRONICS AND MEASUREMENT, Lisans, 2021 - 2022

MSC THESIS, Yüksek Lisans, 2021 - 2022, 2019 - 2020, 2018 - 2019

UNDERGRADUATE RESEARCH PROJECT II, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

INTRODUCTION TO PROGRAMMING, Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020

PHD SPECIAL TOPICS, Doktora, 2021 - 2022

PHD THESIS, Doktora, 2021 - 2022

MSC SPECIAL TOPICS, Yüksek Lisans, 2021 - 2022, 2019 - 2020, 2018 - 2019

ANTENNAS, Lisans, 2020 - 2021, 2019 - 2020, 2017 - 2018

WORKPLACE EXPERIENCE, Lisans, 2020 - 2021, 2019 - 2020

UNDERGRADUATE RESEARCH PROJECT III, Lisans, 2021 - 2022, 2020 - 2021

MICROWAVE ENGINEERING, Yüksek Lisans, 2021 - 2022

HIGH-FREQUENCY SYSTEM DESIGN CAPSULE, Lisans, 2021 - 2022

SENIOR DESIGN PROJECT CAPSULE II, Lisans, 2021 - 2022, 2020 - 2021

PERSONAL AND PROFESSIONAL DEVELOPMENT I, Lisans, 2020 - 2021

UNDERGRADUATE RESEARCH PROJECT I, Lisans, 2021 - 2022

UNDERGRADUATE RESEARCH PROJECT IV, Lisans, 2020 - 2021

SUSTAINABILITY, Lisans, 2020 - 2021

SENIOR PROJECT II, Lisans, 2020 - 2021, 2019 - 2020, 2018 - 2019

SENIOR PROJECT I, Lisans, 2019 - 2020, 2018 - 2019

ENGINEERING ELECTROMAGNETICS, Lisans, 2019 - 2020, 2018 - 2019

PERSONAL AND PROFESSIONAL DEVELOPMENT II, Lisans, 2019 - 2020

COMPUTER TOOLS FOR ELECTRICAL-ELECTRONICS ENGINEERING, Lisans, 2018 - 2019

CALCULUS II FOR ELECTRICAL-ELECTRONICS ENGINEERING, Lisans, 2018 - 2019

ELECTRONICS II, Lisans, 2018 - 2019

ELECTRONICS II, Lisans, 2017 - 2018

Jüri Üyelikleri

Tez Savunma (Doktora), Tez Savunma (Doktora), Erciyes Üniversitesi, Haziran, 2021

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Erciyes Üniversitesi, Şubat, 2021

Tez Savunma (Yüksek Lisans), Tez Savunma (Yüksek Lisans), Abdullah Gül Üniversitesi, Aralık, 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Crown shaped edge multiband antenna design for 5G and X-Band applications**
Hakanoglu B. G., KILIÇ V. T., ALTINDIŞ F., TÜRKMEN M.
Wireless Networks, cilt.29, sa.7, ss.3255-3270, 2023 (SCI-Expanded)
- II. **Study of helical antenna endowing short wire length and compact structure for high-frequency operations and its exclusive manufacturing process**
Aslan M., Şik K., Güzelkara I., Özdür I. T., Kiliç V. T.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.31, sa.2, ss.396-411, 2023 (SCI-Expanded)
- III. **Design and analysis of low profile and low SAR full-textile UWB wearable antenna with metamaterial for WBAN applications**
Yalduz H., TABARU T. E., Kilic V. T., TÜRKMEN M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.126, 2020 (SCI-Expanded)
- IV. **High-efficiency flow-through induction heating**
KILIÇ V. T., Unal E., DEMİR H. V.
IET POWER ELECTRONICS, cilt.13, sa.10, ss.2119-2126, 2020 (SCI-Expanded)
- V. **All-Surface Induction Heating With High Efficiency and Space Invariance Enabled by Arraying Squirle Coils in Square Lattice**
Kilic V. T., Unal E., Yilmaz N., DEMİR H. V.
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.64, sa.3, ss.339-347, 2018 (SCI-Expanded)
- VI. **Coupling and power transfer efficiency enhancement of modular and array of planar coils using in-plane ring-shaped inner ferrites for inductive heating applications**
Kilic V. T., Unal E., Demir H. V.
JOURNAL OF APPLIED PHYSICS, cilt.122, sa.1, 2017 (SCI-Expanded)
- VII. **Inductance and resistance measurement method for vessel detection and coil powering in all-surface inductive heating systems composed of outer squircle coils**
Kilic V. T., Unal E., Demir H. V.
AIP ADVANCES, cilt.7, sa.5, 2017 (SCI-Expanded)
- VIII. **Strongly Coupled Outer Squircle-Inner Circular Coil Architecture for Enhanced Induction Over Large Areas**
Kilic V. T., Unal E., Gonendik E., Yilmaz N., Demir H. V.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.63, sa.12, ss.7478-7487, 2016 (SCI-Expanded)
- IX. **Wireless Metal Detection and Surface Coverage Sensing for All-Surface Induction Heating**
Kilic V. T., Unal E., Demir H. V.
SENSORS, cilt.16, sa.3, 2016 (SCI-Expanded)
- X. **Optical antenna of comb-shaped split ring architecture for increased field localization in NIR and MIR**
Kilic V. T., Erturk V. B., Demir H. V.
OPTICS EXPRESS, cilt.21, sa.24, ss.29455-29461, 2013 (SCI-Expanded)
- XI. **Three-dimensional study of planar optical antennas made of split-ring architecture outperforming dipole antennas for increased field localization**

Kilic V. T., Erturk V. B., Demir H. V.

OPTICS LETTERS, cilt.37, sa.2, ss.139-141, 2012 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Strand wire winding method in a solenoidal coil with limited geometry for good impedance matching**
KILIÇ V. T.
Archives of Electrical Engineering, cilt.72, sa.1, ss.239-252, 2023 (ESCI)
- II. **Design of Wavelength Selectively Metamaterial Antenna for Thermal Camouflage**
Şanlı A. K., Tabaru T. E., Kılıç V. T.
The European Journal of Research and Development, cilt.2, sa.4, ss.90-97, 2022 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Comb-Shaped Patch Antenna Design Study with Shifted Arms and Asymmetric Architecture Enabling Controlled Resonance Change and Radiation Pattern**
Aslan M., Baydar H., KILIÇ V. T.
2022 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2022, Bangalore, Hindistan, 8 - 10 Temmuz 2022
- II. **Design of a Portable DF System with Simple and Compact Structure Operating at 875 Mhz GSM Band**
Uludag M., Ozoksuzkaya A., KILIÇ V. T.
2021 International Conference on Circuits, Controls and Communications, CCUBE 2021, Bangalore, Hindistan, 23 - 24 Aralık 2021
- III. **Single and Double Side Comb-Shaped Patch Antenna Design Evolved from Rectangular Shape for Reduced Sized Antenna Applications**
Baydar H., Aslan M., KILIÇ V. T.
2020 International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications (ICRAMET), Tangerang, Endonezya, 18 Kasım 2020, ss.28-33
- IV. **Comparative study of solar cell energy harvesting with non-rotating and rotating platforms imitating sun tracking and non-tracking applications**
Öztürk G., Chintu D., KILIÇ V. T.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Türkiye, 07 Ekim 2020, ss.493-499
- V. **Magnetic Field Calculation of Square Coils Having Rounded Corners**
Erman M. F., KILIÇ V. T.
2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevşehir, Türkiye, 12 Haziran 2019, ss.212-215
- VI. **An easy method for vessel detection and coil powering in all- surface inductive heating systems**
Kılıç V. T.
61st Annual Conference on Magnetism and Magnetic Materials, Louisiana, Amerika Birleşik Devletleri, 31 Ekim - 04 Kasım 2016
- VII. **Novel Optical Antenna Designs of Comb Shaped Split Ring Architecture for NIR and MIR Enhanced Field Localization**
Kilic V. T., Erturk V. B., Demir H. V.
27th IEEE Photonics Conference (IPC), California, Amerika Birleşik Devletleri, 12 - 16 Ekim 2014, ss.318-319

Desteklenen Projeler

Kılıç V. T., Güngör M. E., Aslan M., TÜBİTAK Projesi, 1.9-2.0 GHZ GSM FREKANS BANDINDA ÇALIŞAN ANTEN VE BANT GEÇİREN FİLTRE TASARIMI, 2021 - 2022
Kılıç V. T., Özöksüzka A., Uludağ M., Başer E., TÜBİTAK Projesi, GSM Direction Finding, 2020 - 2021

Patent

Demir H. V., Kılıç V. T., Ünal E., Polat Çakar D., Küçükcoşkun B., Ünlüsoy M., Bayraktar S., İÇTEN AKIŞLI TİPTE BİR İNDÜKTİF ISITICI, Patent, BÖLÜM F Makine Mühendisliği; Aydınlatma; Isıtma; Silahlar; Tahrip Malzemeleri, Buluşun Tescil No: 2019 12644 , Standart Tescil, 2023
Demir H. V., Ünal E., Gönendik E., Oktay U., Yılmaz N., Öztürk M., Kılıç V. T., BİR İNDÜKTİF BOBİN BİRİMİ, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: 2015 15179 , Standart Tescil, 2021
Demir H. V., Kılıç V. T., Ünal E., İLETKEN KATMANLAR İÇEREN İNDÜKTİF BOBİN BİRİMİ, Patent, BÖLÜM H Elektrik, Buluşun Tescil No: EP3536123B1 , Standart Tescil, 2020

Bilimsel Hakemlikler

Archives of Electrical Engineering, ESCI Kapsamındaki Dergi, Ocak 2023
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI-E Kapsamındaki Dergi, Eylül 2022
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI-E Kapsamındaki Dergi, Mart 2022
IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS, SCI Kapsamındaki Dergi, Ağustos 2021
IEEE TRANSACTIONS ON POWER ELECTRONICS, SCI Kapsamındaki Dergi, Haziran 2021
ACADEMIC PLATFORM-JOURNAL OF ENGINEERING AND SCIENCE, Hakemli Bilimsel Dergi, Mayıs 2021
IEEE TRANSACTIONS ON POWER ELECTRONICS, SCI Kapsamındaki Dergi, Ekim 2020
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Kapsamındaki Dergi, Temmuz 2020
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, Hakemli Bilimsel Dergi, Haziran 2020
1st International Conference on Electrical Engineering and Technologies (ElectriTek 2020), Bildiri (Tam Metin), Mart 2020
IEEE TRANSACTIONS ON POWER ELECTRONICS, SCI Kapsamındaki Dergi, Aralık 2019
IET POWER ELECTRONICS, SCI Kapsamındaki Dergi, Haziran 2019
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Kapsamındaki Dergi, Ocak 2019
IEEE TRANSACTIONS ON POWER ELECTRONICS, SCI Kapsamındaki Dergi, Aralık 2018
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Kapsamındaki Dergi, Ekim 2017
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, SCI Kapsamındaki Dergi, Nisan 2016

Etkinlik Organizasyonlarındaki Görevler

Kılıç V. T., SİU 2023 - 31. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Temmuz 2023
Kılıç V. T., SİU 2022 - 30. IEEE SİNYAL İŞLEME ve İLETİŞİM UYGULAMALARI KURULTAYI, Bilimsel Kongre / Sempozyum Organizasyonu, Türkiye, Mayıs 2022

Metrikler

Yayın: 20
Atıf (WoS): 59
Atıf (Scopus): 93
H-İndeks (WoS): 5
H-İndeks (Scopus): 5