

Assoc. Prof. ERKAN TETİK

Personal Information

Email: erkan.tetik@usak.edu.tr

Web: <https://avesis.usak.edu.tr/erkan.tetik>

International Researcher IDs

ScholarID: gr_TL8AAAAJ

ORCID: 0000-0002-8183-8141

Publons / Web Of Science ResearcherID: J-2456-2018

ScopusID: 56902507100

Yoksis Researcher ID: 107758

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2007 - 2012

Undergraduate, Tokat Gaziosmanpaşa University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1999 - 2003

Research Areas

Physics

Academic Titles / Tasks

Associate Professor, Usak University, EĞİTİM FAKÜLTESİ, Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü, 2014 - Continues

Hatay Mustafa Kemal University, Eğitim Fakültesi, Bilgisayar Ve Öğretim Teknolojileri Eğitimi Bölümü, 2012 - 2014

Academic and Administrative Experience

Head of Department, Usak University, REKTÖRLÜK, BİLGİ İŞLEM DAİRE BŞK., 2023 - Continues

Rector's Advisor, Usak University, REKTÖRLÜK, 2022 - Continues

Head of Department, Usak University, REKTÖRLÜK, ENFORMATİK BÖLÜM BAŞKANLIĞI, 2021 - Continues

Vice Dean, Usak University, EĞİTİM FAKÜLTESİ, 2022 - 2024

Head of Department, Usak University, REKTÖRLÜK, BİLGİ İŞLEM DAİRE BŞK., 2014 - 2017

Courses

FİZİK I, Undergraduate, 2019 - 2020, 2018 - 2019

FİZİK II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

INTERNET TABANLI PROGRAMLAMA, Undergraduate, 2018 - 2019, 2017 - 2018

3 BOYUTLU MODELLEME VE PROGRAMLAMA, Associate Degree, 2018 - 2019, 2017 - 2018, 2016 - 2017

SEÇMELİ NESNE TABANLI PROGRAMLAMA, Undergraduate, 2018 - 2019

EĞİTİMDE GRAFİK VE ANİMASYON, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016

ÜÇ BOYUTLU GRAFİK TASARIMI, Undergraduate, 2017 - 2018
OYUN PROGRAMLAMA, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016
İŞLETİM SİSTEMLERİ VE UYGULAMA, Undergraduate, 2017 - 2018
PROGRAMLAMA DİLLERİ II, Undergraduate, 2017 - 2018, 2016 - 2017
SEÇMELİ I VERİ TABANLI YÖNETİM SİSTEMLERİ, Undergraduate, 2017 - 2018
MOBİL PROGRAMLAMA-I, Associate Degree, 2017 - 2018
BİLGİSAYAR AĞLARI VE İLETİŞİM, Undergraduate, 2017 - 2018
PROGRAMLAMA DİLLERİ I, Undergraduate, 2017 - 2018, 2016 - 2017
MALZEME ÜRETİMİNDE MODELLEME VE SİMÜLASYON, Undergraduate, 2017 - 2018, 2016 - 2017
EĞİTİMDE BİLİŞİM TEKNOLOJİLERİ I, Undergraduate, 2016 - 2017, 2015 - 2016
SİSTEM ANALİZ VE TASARIMI, Associate Degree, 2016 - 2017
EĞİTİMDE BİLİŞİM TEKNOLOJİLERİ II, Undergraduate, 2016 - 2017, 2015 - 2016
TEMEL BİLGİ TEKNOLOJİSİ KULLANIMI, Undergraduate, 2016 - 2017
İLERİ MİKRODENETLEYİCİLER, Associate Degree, 2016 - 2017
YAZILIM PROJE YÖNETİMİ, Associate Degree, 2016 - 2017
İŞLETİM SİSTEMLERİ VE UYGULAMALARI, Undergraduate, 2016 - 2017
YÖNETİM VE BİLİŞİM SİSTEMLERİ, Undergraduate, 2016 - 2017
PROGRAMLANABİLİR DENETLEYİCİLER, Associate Degree, 2015 - 2016
TEMEL BİLGİSAYAR BİLİMLERİ, Undergraduate, 2015 - 2016
MİKRODENETLEYİCİLER, Associate Degree, 2015 - 2016
BİLGİSAYAR DESTEKLİ TAKIM TEZGAHLARI, Associate Degree, 2015 - 2016
ALGORİTMA VE PROGRAMLAMA, Associate Degree, 2015 - 2016
BİLGİSAYAR DESTEKLİ ÇİZİM, Associate Degree, 2015 - 2016
İNTERNET TABANLI PROGRAMLAMA, Undergraduate, 2013 - 2014, 2012 - 2013
PROGRAMLAMA DİLLERİ II, Undergraduate, 2013 - 2014, 2012 - 2013
PROGRAMLAMA DİLLERİ, Doctorate, 2013 - 2014
EĞİTİMDE OYUN PROGRAMLAMA, Undergraduate, 2013 - 2014
VERİ TABANLI YÖNETİM SİSTEMLERİ, Undergraduate, 2013 - 2014, 2012 - 2013
WEB TASARIMI, Undergraduate, 2013 - 2014, 2012 - 2013
İNTERNET TABANLI PROGRAMLAMA 1, Postgraduate, 2013 - 2014
3 BOYUTLU ORGANİK MODELLEME, Undergraduate, 2013 - 2014, 2012 - 2013
ÜÇ BOYUTLU GRAFİK TASARIMI, Undergraduate, 2013 - 2014, 2012 - 2013
PROGRAMLAMA DİLLERİ I, Undergraduate, 2013 - 2014, 2012 - 2013
ANDROID PROGRAMLAMA, Undergraduate, 2013 - 2014, 2012 - 2013
EĞİTİMDE BİLİŞİM TEKNOLOJİLERİ II, Undergraduate, 2012 - 2013
EĞİTİMDE BİLİŞİM TEKNOLOJİLERİ I, Undergraduate, 2012 - 2013

Advising Theses

ERKAN T., Üniversitelerde çalışan akademik ve idari personelin bilişim teknolojileri kullanımında yaşadıkları sorunlar ve çözüm önerileri: MKÜ örneği, Postgraduate, H.İRMAK(Student), 2017
ERKAN T., Web tabanlı bir uyarlanabilir çevrimiçi öğrenme ortamının harmanlanmış öğretim modeline uygun olarak tasarlanması ve öğrenci başarısına etkisi, Doctorate, F.ÇAĞATAY(Student), 2016
ERKAN T., Bilgi ve iletişim teknolojileri entegrasyonunu sağlamak amacıyla yürütülen sosyal ağ destekli bilişim teknolojileri dersinin etkinliğine ilişkin bir durum çalışması, Doctorate, Ö.KELLEÇİ(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. Flexible metamaterial design based on wearable material for microwave energy harvesting

- TETİK E.
Bulletin of Materials Science, vol.45, no.4, 2022 (SCI-Expanded)
- II. **Flexible perfect metamaterial absorber and sensor application at terahertz frequencies**
TETİK E.
Journal of Optoelectronics and Advanced Materials, vol.22, no.5-6, pp.213-218, 2020 (SCI-Expanded)
- III. **High pressure phase transition in super-cell LiBH₄: An ab initio prediction**
TETİK E., Erdiven U.
Chinese Journal of Physics, vol.59, pp.585-590, 2019 (SCI-Expanded)
- IV. **Photonic crystal structures: Beam deflector and beam router**
Erdiven U., TETİK E., KARADAĞ F.
Chinese Physics B, vol.27, no.4, 2018 (SCI-Expanded)
- V. **Wideband metamaterial absorber based on CRRs with lumped elements for microwave energy harvesting**
Bağmancı M., Karaaslan M., Altıntaş O., KARADAĞ F., TETİK E., BAKIR M.
Journal of Microwave Power and Electromagnetic Energy, vol.52, no.1, pp.45-59, 2018 (SCI-Expanded)
- VI. **The effect of a metamaterial-based wearable microstrip patch antenna on the human body**
TETİK E., TETİK G.
Canadian Journal of Physics, vol.96, no.7, pp.796-800, 2018 (SCI-Expanded)
- VII. **Photonic characteristics and microcavity structure of ZnX (X =S, Se, Te)**
Erdiven U., TETİK E., KARADAĞ F.
Optoelectronics and Advanced Materials, Rapid Communications, vol.11, no.5-6, pp.307-311, 2017 (SCI-Expanded)
- VIII. **Multi-band polarization independent cylindrical metamaterial absorber and sensor application**
Dincer F., Karaaslan M., Colak S., TETİK E., Akgol O., Altıntaş O., SABAH C.
Modern Physics Letters B, vol.30, no.8, 2016 (SCI-Expanded)
- IX. **Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting and sensor applications**
Unal E., Dincer F., TETİK E., Karaaslan M., Bakir M., SABAH C.
Journal of Materials Science: Materials in Electronics, vol.26, no.12, pp.9735-9740, 2015 (SCI-Expanded)
- X. **90° Polarization rotator and antireflector using meanderline chiral metamaterials: Analytical and numerical approach**
Gonulal S., Karaaslan M., Unal E., Delihacioglu K., Dincer F., TETİK E., SABAH C.
Optik, vol.126, no.24, pp.5587-5592, 2015 (SCI-Expanded)
- XI. **The electronic properties of doped single walled carbon nanotubes and carbon nanotube sensors**
Tetik E.
Condensed Matter Physics, vol.17, no.4, 2014 (SCI-Expanded)
- XII. **Low profile antenna radiation enhancement with novel electromagnetic band gap structures**
Karaaslan M., Ünal E., Tetik E., Delihacioglu K., KARADAĞ F., Dinçer F.
IET Microwaves, Antennas and Propagation, vol.7, no.3, pp.215-221, 2013 (SCI-Expanded)
- XIII. **Nanoscale icosahedral packing in amorphous Mg₅₀Ni₅₀: An ab initio study**
Tetik E., Durandurdu M., Karada F.
EPL, vol.100, no.2, 2012 (SCI-Expanded)
- XIV. **Ab initio calculation of the structural, elastic, electronic, and linear optical properties of ZrPtSi and TiPtSi ternary compounds**
Koc H., Yildirim A., Tetik E., Deligoz E.
Computational Materials Science, vol.62, pp.235-242, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Detection of Toxic Gases Using Flexible Metamaterial Absorber at Terahertz Frequencies**
ALTINTAS O., Tetik E.

- Osmaniye Korkut Ata Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Online), vol.6, no.3, pp.1998-2008, 2023 (Peer-Reviewed Journal)
- II. **Metamaterial based Flexible Coplanar Antenna Design and Simulation for Human Body Applications**
TETİK G., TETİK E.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.4, pp.2541-2550, 2020 (Peer-Reviewed Journal)
- III. **The Effect of Adaptive Online Web Based Material on Student Academic Success**
BAZ F. Ç., TETİK E.
OPUS Uluslararası Toplum Araştırmaları Dergisi, vol.10, no.17, pp.1334-1343, 2019 (Peer-Reviewed Journal)
- IV. **Functional Pressure and Density Sensor Design Based on Metamaterial Absorber**
TETİK E., Erdiven U.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.3, pp.23-30, 2018 (Peer-Reviewed Journal)
- V. **The effect of a metamaterial based wearable monopole antenna on the human body**
TETİK E., TETİK G.
Celal Bayar Üniversitesi Fen Bilimleri Dergisi, vol.14, no.1, pp.93-97, 2018 (Peer-Reviewed Journal)
- VI. **Uyarlanabilir Çevrimiçi Öğrenme Ortamı Kullanan Öğrencilerin Ortam Kullanımına İlişkin Görüşleri**
BAZ F. Ç., TETİK E.
Academia Eğitim Araştırmaları Dergisi, vol.2, no.2, pp.20-28, 2017 (Peer-Reviewed Journal)
- VII. **The Use Of Blended Teaching Model With Adaptive Online Learning Environment and Student Expectations**
BAZ F. Ç., TETİK E.
International Journal of Scientific and Technological Research, vol.1, no.4, pp.1-5, 2015 (Peer-Reviewed Journal)
- VIII. **THE EFFECT OF SOCIAL NETWORK SUPPORTED INFORMATION AND COMMUNICATION TECHNOLOGY EDUCATION ON THE STUDENTS ACADEMIC ACHIEVEMENT**
ÖZGE K., TETİK E.
e-Journal of New World Sciences Academy, vol.10, no.3, pp.151-168, 2015 (Peer-Reviewed Journal)
- IX. **The Electronic Properties of the Graphene and Carbon Nanotubes: iAb Initio/i Density Functional Theory Investigation/title**
TETİK E., KARADAĞ F., KARAASLAN M., Çömez İ.
ISRN Nanotechnology, vol.2012, pp.1-7, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Flexible metamaterials**
TETİK E.
in: Advanced Metamaterials for Engineers, Wang Lulu, Karaaslan Muharrem, Editor, IOPscience, pp.1-38, 2023
- II. **An Overview of Metamaterial Researches**
TETİK E.
in: RESEARCHES ON SCIENCE AND ART IN 21 ST CENTURY TURKEY, Hasan ARAPGIRLIOGLU, Atilla ATIK, Robert L. ELLIOTT, Edward TURGEON, Editor, Gece Publishing, Ankara, pp.1-11, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **The Design of a Metamaterial-Inspired Machine Learning-Based Patch Antenna for Brain Cancer Detection**
TETİK E., ŞAŞMAZ KARACAN N. S.
International Canadian Scientific Research Congress, Toronto, Canada, 24 - 25 October 2024
- II. **MACHINE LEARNING BASED MICROSTRIP PATCH ANTENNA DESIGN FOR LUNG CANCER DETECTION**
ŞAŞMAZ KARACAN N. S., TETİK E.

ATLAS 12. INTERNATIONAL CONGRESS ON ADVANCED SCIENTIFIC STUDIES AND INTERDISCIPLINARY, Paris, France, 1 - 03 July 2024, pp.91-102

- III. **Flexible Metamaterial-Based Electromagnetic Energy Harvesting for Wlan Frequency Band**
ALTINTAŞ O., TETİK E.
International Asian Congress On Contemporary Sciences – VII, Philippines, 09 December 2022
- IV. **Metamaterial Absorber Design Based with Lumped Elements For Microwave Energy Harvesting**
TETİK E.
International Black Sea Modern Scientific Research Congress, Turkey, 29 September 2022, pp.923-929
- V. **Flexible Perfect Metamaterial Absorber Design at Terahertz Frequency Range**
Ercan M., TETİK E., TETİK G.
International Ankara Congress on Scientific Researches, Ankara, Turkey, 4 - 06 October 2019
- VI. **Dual-Band Metamaterial Absorber Design for Electromagnetic Energy Harvesting at Wlan Band Range**
Ercan M., TETİK G., TETİK E.
International Ankara Congress on Scientific Researches, Ankara, Turkey, 4 - 06 October 2019
- VII. **Perfect Metamaterial Absorber And Sensor Application On Flexible Substrate At Terahertz Range**
TETİK E.
International Science And Innovation Congress, 26 - 29 August 2019
- VIII. **The Effect on the Human Body of a Wearable Circular Antenna Based on Metamaterial**
TETİK E., Antepli A.
5th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2018), 4 - 06 October 2018, vol.1, pp.286-290
- IX. **Accessible History**
Kurt A., TETİK E.
The 12nd International Computer Instructional Technologies Symposium (ICITS), 2 - 04 May 2018
- X. **Academic and Administrative Staff Working in University a Study on Computer Literacy**
IRMAK H., TETİK E.
II. International Congress on Multidisciplinary Studies, 04 May 2018
- XI. **Design Of An Electro-Textile Based Wearable Antenna**
TETİK E.
XIV. International Izmir Textile and Apparel Symposium, 25 - 28 October 2017
- XII. **UYARLANABİLİR ÇEVİRİMİÇİ ÖĞRENME ORTAMI KULLANAN ÖĞRENCİLERİN ORTAMKULLANIMINA İLİŞKİN GÖRÜŞLERİ**
BAZ F. Ç., TETİK E.
Uluslararası Eğitim Yönetimi Forumu, 19 - 21 October 2017
- XIII. **Design and Simulation of a Wearable Textile Antenna Based on Metamaterial**
TETİK E.
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- XIV. **Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting application**
ÜNAL E., DİNÇER F., TETİK E., KARAASLAN M., SABAH C.
Recent Advances in Telecommunications, Informatics And Educational Technologies, 11 - 13 June 2014, pp.98-102
- XV. **Meanderline Based Microwave Polarization Rotator and Antireflector**
KARAASLAN M., ÜNAL E., DELİHACIOĞLU K., Bhadauria A., TETİK E.
2012 Fourth International Conference on Computational Intelligence and Communication Networks, Mathura, Uttar Pradesh, India, 3 - 05 November 2012
- XVI. **Effect Of Dimension Variations On The Transmission-Reflection Characteristics Of SRR And Capacitively Loaded Strip Metamaterial**
ÖZER Z., KARAASLAN M., KURT M. Z., KARADAĞ F., TETİK E.
24th International Physics Congress of Turkish Physical Society, Malatya, Turkey, 28 - 30 August 2007, pp.256-259

Supported Projects

TETİK E., ÖĞRENCİLERE YÖNELİK KODLAMA VE ROBOTİK EĞİTİMİ, 2018 - 2019

TETİK E., Project Supported by Higher Education Institutions, Sinyal Emici Metamalzemelerle Özgün Entegre Sensör Tasarım ve Uygulamaları, 2018 - 2019

Metrics

Publication: 41

Citation (Scopus): 191

H-Index (WoS): 1

H-Index (Scopus): 7