

## Assoc. Prof. MEHMET BAKIR

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Hatay Mustafa Kemal University, Graduate School Of Natural And Applied Sciences, Enformatik (Dr), Turkey  
2012 - 2016

Postgraduate, Sakarya University, Institute Of Science, Elektronik Ve Bilgisayar Eğitimi (YI) (Tezli), Turkey 2009 - 2010

Undergraduate, Marmara University, Faculty Of Technical Education, Electronic And Computer Education, Turkey 1996 -  
2001

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Metamalzeme tabanlı sensör, sinyal emici ve frekans seçici yüzey uygulaması, Hatay Mustafa Kemal University,  
Fen Bilimleri Enstitüsü, Enformatik (Dr), 2016

Postgraduate, Kablosuz algılayıcı ağ ve matlab web sunucusu kullanarak bir uzaktan izleme sisteminin gerçekleştirilmesi,  
Sakarya University, Fen Bilimleri Enstitüsü, Elektronik Ve Bilgisayar Eğitimi (YI) (Tezli), 2010

### Research Areas

Computer Sciences, Electromagnetic, MEMS

### Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Mühendislik-Mimarlık Fakültesi, Bilgisayar Mühendisliği, 2017 - Continues

### Courses

VERİ TABANI YÖNETİM SİSTEMLERİ, Undergraduate, 2019 - 2020, 2018 - 2019

BİLGİSAYAR PROGRAMLAMA (İNŞAAT MÜH.), Undergraduate, 2019 - 2020, 2017 - 2018

BİLGİSAYAR VE PROGRAMLAMAYA GİRİŞ, Undergraduate, 2019 - 2020, 2018 - 2019

VERİ İLETİŞİMİ, Undergraduate, 2019 - 2020, 2018 - 2019

BİLGİSAYAR PROGRAMLAMA, Undergraduate, 2019 - 2020, 2017 - 2018  
NESNEYE DAYALI PROGRAMLAMA, Undergraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017  
Uzmanlık Alan Dersi (Elektrik Elektronik Müh.), Postgraduate, 2018 - 2019  
Tez Çalışması(Elektrik Elektronik Mühendisliği), Postgraduate, 2018 - 2019  
Bilgisayar Mühendisliğine Giriş, Undergraduate, 2018 - 2019  
Bilişim Etiği, Undergraduate, 2018 - 2019  
nesneye yönelik yazılım, Undergraduate, 2018 - 2019  
Temel Bilgi Teknolojileri, Undergraduate, 2018 - 2019  
Bitirme Ödevi(elektrik elektronik müh.), Undergraduate, 2017 - 2018  
Elektrik Elektronik Mühendisliğinde Tasarım, Undergraduate, 2017 - 2018  
Anten Kuramı ve Analizi, Postgraduate, 2017 - 2018  
Mantık Devreleri, Undergraduate, 2017 - 2018  
Elektrik Devre Temelleri, Undergraduate, 2017 - 2018  
Mekatronik Mühendisliğinde Numerik Yöntemler, Postgraduate, 2017 - 2018  
Görsel Programlama, Undergraduate, 2017 - 2018  
elektrik elektronik tasarım uygulaması, Undergraduate, 2017 - 2018

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- I. **End-to end decision support system for sleep apnea detection and Apnea-Hypopnea Index calculation using hybrid feature vector and Machine learning**  
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.  
Biocybernetics and Biomedical Engineering, vol.43, no.4, pp.684-699, 2023 (SCI-Expanded)
- II. **Tree-Based Machine Learning Techniques for Automated Human Sleep Stage Classification**  
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Çiftçi B.  
Traitement du Signal, vol.40, no.4, pp.1385-1400, 2023 (SCI-Expanded)
- III. **Sensitive deep learning application on sleep stage scoring by using all PSG data**  
ARSLAN R. S., ULUTAŞ H., KÖKSAL A. S., BAKIR M., Ciftci B.  
NEURAL COMPUTING & APPLICATIONS, vol.35, no.10, pp.7495-7508, 2023 (SCI-Expanded)
- IV. **Highly Sensitive Dual-Band Terahertz Metamaterial Absorber for Biomedical Applications: Simulation and Experiment**  
Abdulkarim Y. I., ALTINTAŞ O., Karim A. S., Awl H. N., Muhammadsharif F. F., ALKURT F. Ö., Bakir M., Appasani B., KARAASLAN M., Dong J.  
ACS OMEGA, vol.7, no.42, pp.38094-38104, 2022 (SCI-Expanded)
- V. **A polarization-insensitive triple-band perfect metamaterial absorber incorporating ZnSe for terahertz sensing**  
Abdulkarim Y., ALKURT F. Ö., BAKIR M., Awl H. N., Muhammadsharif F. F., KARAASLAN M., Appasani B., Al-Badri K. S. L., Zhu Y., Dong J.  
JOURNAL OF OPTICS, vol.24, no.10, 2022 (SCI-Expanded)
- VI. **Enhanced Sensing Capacity of Terahertz Triple-Band Metamaterials Absorber Based on Pythagorean Fractal Geometry**  
Mazare A. G., Abdulkarim Y., Karim A. S., BAKIR M., Taouzari M., Muhammadsharif F. F., Appasani B., ALTINTAŞ O., KARAASLAN M., Bizon N.  
MATERIALS, vol.15, no.18, 2022 (SCI-Expanded)
- VII. **A vanadium dioxide-based metamaterial with quatrefoil and circle loaded structure on flexible polyamide substrate for terahertz applications**  
Abdulkarim Y. I., Awl H. N., Muhammadsharif F. F., BAKIR M., Alkurt F. o., Altintas O., Saeed S. R., Taouzari M., Karaaslan M., Appasani B., et al.  
FRONTIERS IN PHYSICS, vol.10, 2022 (SCI-Expanded)
- VIII. **Automated sleep scoring system using multi-channel data and machine learning**

Arslan R. S., Ulutaş H., Köksal A. S., Bakır M., Çiftci B.

COMPUTERS IN BIOLOGY AND MEDICINE, vol.146, 2022 (SCI-Expanded)

- IX. **A Symmetrical Terahertz Triple-Band Metamaterial Absorber Using a Four-Capacitance Loaded Complementary Circular Split Ring Resonator and an Ultra-Thin ZnSe Substrate**  
Abdulkarim Y., Alkurt F. O., Awl H. N., Altintas O., Muhammadsharif F. F., Appasani B., BAKIR M., Karaaslan M., Taouzari M., Dong J.  
SYMMETRY-BASEL, vol.14, no.7, 2022 (SCI-Expanded)
- X. **Highly sensitive metamaterial-based microwave sensor for the application of milk and dairy products**  
Abdulkarim Y. I., BAKIR M., Yaşar İ., ULUTAŞ H., Karaaslan M., Alkurt F. Ö., Sabah C., Dong J.  
Applied Optics, vol.61, no.8, pp.1972-1981, 2022 (SCI-Expanded)
- XI. **Simulation and lithographic fabrication of a triple band terahertz metamaterial absorber coated on flexible polyethylene terephthalate substrate**  
Abdulkarim Y. I., Xiao M., Awl H. N., Muhammadsharif F. F., Lang T., Saeed S. R., ALKURT F. Ö., BAKIR M., KARAASLAN M., Dong J.  
OPTICAL MATERIALS EXPRESS, vol.12, no.1, pp.338-359, 2022 (SCI-Expanded)
- XII. **Utilization of a triple hexagonal split ring resonator (SRR) based metamaterial sensor for the improved detection of fuel adulteration**  
Abdulkarim Y. I., Dalgac S., ALKURT F. Ö., Muhammadsharif F. F., Awl H. N., Saeed S. R., ALTINTAŞ O., Li C., BAKIR M., KARAASLAN M., et al.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.19, pp.24258-24272, 2021 (SCI-Expanded)
- XIII. **An ultrathin and dual band metamaterial perfect absorber based on ZnSe for the polarization-independent in terahertz range**  
Abdulkarim Y., ALKURT F. Ö., Awl H. N., Muhammadsharif F. F., BAKIR M., Dalgac S., KARAASLAN M., Luo H.  
RESULTS IN PHYSICS, vol.26, 2021 (SCI-Expanded)
- XIV. **A thermally stable and polarization insensitive square-shaped water metamaterial with ultra-broadband absorption**  
Abdulkarim Y. I., Awl H. N., ALKURT F. Ö., Muhammadsharif F. F., Saeed S. R., KARAASLAN M., Bakir M., Luo H.  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.13, pp.1150-1158, 2021 (SCI-Expanded)
- XV. **Chiral metamaterial-based sensor applications to determine quality of car lubrication oil**  
Dalgac S., KARADAĞ F., BAKIR M., AKGÖL O., ÜNAL E., KARAASLAN M.  
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.7, pp.1640-1649, 2021 (SCI-Expanded)
- XVI. **C-shaped split ring resonator type metamaterial antenna design using neural network**  
Sagik M., KARAASLAN M., ÜNAL E., AKGÖL O., BAKIR M., Akdogan V., Ozdemir E., Abdulkarim Y.  
OPTICAL ENGINEERING, vol.60, no.4, 2021 (SCI-Expanded)
- XVII. **Hypersensitized Metamaterials Based on a Corona-Shaped Resonator for Efficient Detection of Glucose**  
Abdulkarim Y., Muhammadsharif F. F., BAKIR M., Awl H. N., KARAASLAN M., Deng L., Huang S.  
APPLIED SCIENCES-BASEL, vol.11, no.1, 2021 (SCI-Expanded)
- XVIII. **Grease oil humidity sensor by using metamaterial**  
Dalgac S., FURAT M., KARAASLAN M., AKGÖL O., KARADAĞ F., Zile M., BAKIR M.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.34, no.18, pp.2488-2498, 2020 (SCI-Expanded)
- XIX. **Design and study of a metamaterial based sensor for the application of liquid chemicals detection**  
Abdulkarim Y. I., Deng L., Luo H., Huang S., KARAASLAN M., ALTINTAŞ O., BAKIR M., Muhammadsharif F. F., Awl H. N., Sabah C., et al.  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.9, no.5, pp.10291-10304, 2020 (SCI-Expanded)
- XX. **Microwave power imaging detector based on metamaterial absorber**  
ALKURT F. Ö., ALTINTAŞ O., BAKIR M., KARAASLAN M., ÜNAL E., KARADAĞ F., AKGÖL O., Sabah C.

OPTICAL ENGINEERING, vol.59, no.8, 2020 (SCI-Expanded)

- XXI. **Metamaterial sensor application concrete material reinforced with carbon steel fiber**  
Dalgac S., KARADAĞ F., ÜNAL E., Ozkaner V., BAKIR M., AKGÖL O., SEVİM U. K., DELİHACIOĞLU K., ÖZTÜRK M., KARAASLAN M., et al.  
MODERN PHYSICS LETTERS B, vol.34, no.10, 2020 (SCI-Expanded)
- XXII. **Metamaterial based sensor integrating transmission line for detection of branded and unbranded diesel fuel**  
Tamer A., Karadag F., ÜNAL E., Abdulkarim Y., Deng L., ALTINTAŞ O., BAKIR M., KARAASLAN M.  
CHEMICAL PHYSICS LETTERS, vol.742, 2020 (SCI-Expanded)
- XXIII. **Characterization of chiral metamaterial sensor with high sensitivity**  
Dalgac S., BAKIR M., KARADAĞ F., ÜNAL E., KARAASLAN M., Sabah C.  
OPTIK, vol.202, 2020 (SCI-Expanded)
- XXIV. **Microfluidic sensor applications by using chiral metamaterial**  
Dalgac S., BAKIR M., KARADAĞ F., KARAASLAN M., AKGÖL O., ÜNAL E., Sabah C.  
MODERN PHYSICS LETTERS B, vol.34, no.5, 2020 (SCI-Expanded)
- XXV. **Bandwidth Improvement in Bow-Tie Microstrip Antennas: The Effect of Substrate Type and Design Dimensions**  
Awl H. N., Abdulkarim Y. I., Deng L., BAKIR M., Muhammadsharif F. F., KARAASLAN M., Unal E., Luo H.  
APPLIED SCIENCES-BASEL, vol.10, no.2, 2020 (SCI-Expanded)
- XXVI. **High Sensitive Metamaterial Sensor for Water Treatment Centres**  
BAKIR M., Dalgac S., ÜNAL E., KARADAĞ F., DEMİRCİ M., KÖKSAL A. S., AKGÖL O., KARAASLAN M.  
WATER AIR AND SOIL POLLUTION, vol.230, no.12, 2019 (SCI-Expanded)
- XXVII. **A Comprehensive Study on Fuel Adulteration Sensing by Using Triple Ring Resonator Type Metamaterial**  
BAKIR M., Dalgac S., KARAASLAN M., KARADAĞ F., AKGÖL O., Una E., DEPCİ T., Sabah C.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.166, no.12, 2019 (SCI-Expanded)
- XXVIII. **Wide band fractal-based perfect energy absorber and power harvester**  
BAĞMANCI M., KARAASLAN M., ÜNAL E., Ozakturk M., AKGÖL O., KARADAĞ F., Bhadauria A., BAKIR M.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.29, no.7, 2019 (SCI-Expanded)
- XXIX. **Metamaterial Sensor for Transformer Oil, and Microfluidics**  
BAKIR M., KARAASLAN M., KARADAĞ F., Dalgac S., ÜNAL E., AKGÖL O.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.34, no.5, pp.799-806, 2019 (SCI-Expanded)
- XXX. **Solar energy harvesting with ultra-broadband metamaterial absorber**  
BAĞMANCI M., KARAASLAN M., ÜNAL E., AKGÖL O., BAKIR M., Sabah C.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.33, no.8, 2019 (SCI-Expanded)
- XXXI. **Polarization independent broadband metamaterial absorber for microwave applications**  
BAĞMANCI M., AKGÖL O., Ozakturk M., KARAASLAN M., ÜNAL E., BAKIR M.  
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.29, no.1, 2019 (SCI-Expanded)
- XXXII. **Antenna-based microwave absorber for imaging in the frequencies of 1.8, 2.45, and 5.8 GHz**  
ALKURT F. Ö., ALTINTAŞ O., Atci A., BAKIR M., ÜNAL E., AKGÖL O., DELİHACIOĞLU K., KARAASLAN M., Sabah C.  
OPTICAL ENGINEERING, vol.57, no.11, 2018 (SCI-Expanded)
- XXXIII. **Metamaterial-based energy harvesting for GSM and satellite communication frequency bands**  
BAKIR M., KARAASLAN M., KARADAĞ F., ÜNAL E., AKGÖL O., ALKURT F. Ö., Sabah C.  
OPTICAL ENGINEERING, vol.57, no.8, 2018 (SCI-Expanded)
- XXXIV. **Microfluidic and Fuel Adulteration Sensing by Using Chiral Metamaterial Sensor**  
BAKIR M., KARAASLAN M., Unal E., KARADAĞ F., Alkurt F. O., ALTINTAŞ O., Dalgac S., Sabah C.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.165, no.11, 2018 (SCI-Expanded)
- XXXV. **Tunable energy harvesting on UHF bands especially for GSM frequencies**

BAKIR M., KARAASLAN M., ALTINTAŞ O., BAĞMANCI M., Akdogan V., Temurtas F.

INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES, vol.10, no.1, pp.67-76, 2018 (SCI-Expanded)

**XXXVI. Sensory applications of resonator based metamaterial absorber**

Bakir M., Karaaslan M., Akgol O., Altintas O., Unal E., Sabah C.

OPTIK, vol.168, pp.741-746, 2018 (SCI-Expanded)

**XXXVII. Octagonal Shaped Metamaterial Absorber Based Energy Harvester**

ALKURT F. Ö., ALTINTAŞ O., BAKIR M., Tamer A., Karadag F., BAĞMANCI M., KARAASLAN M., ÜNAL E., AKGÖL O.

MATERIALS SCIENCE-MEDZIAGOTYRA, vol.24, no.3, pp.253-259, 2018 (SCI-Expanded)

**XXXVIII. Wideband metamaterial absorber based on CRRs with lumped elements for microwave energy harvesting**

BAĞMANCI M., KARAASLAN M., ALTINTAŞ O., KARADAĞ F., TETİK E., BAKIR M.

JOURNAL OF MICROWAVE POWER AND ELECTROMAGNETIC ENERGY, vol.52, no.1, pp.45-59, 2018 (SCI-Expanded)

**XXXIX. Microwave metamaterial absorber for sensing applications**

Bakir M., Karaaslan M., Unal E., Akgol O., Sabah C.

OPTO-ELECTRONICS REVIEW, vol.25, no.4, pp.318-325, 2017 (SCI-Expanded)

**XL. Multifunctional metamaterial sensor applications based on chiral nihility**

BAKIR M., KARAASLAN M., AKGÖL O., Sabah C.

OPTICAL AND QUANTUM ELECTRONICS, vol.49, no.11, 2017 (SCI-Expanded)

**XLI. Metamaterial characterization by applying different boundary conditions on triangular split ring resonator type metamaterials**

Bakir M., Karaaslan M., Dincer F., Sabah C.

INTERNATIONAL JOURNAL OF NUMERICAL MODELLING-ELECTRONIC NETWORKS DEVICES AND FIELDS, vol.30, no.5, 2017 (SCI-Expanded)

**XLII. Electromagnetic-Based Microfluidic Sensor Applications**

BAKIR M.

JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.164, no.9, 2017 (SCI-Expanded)

**XLIII. Tunable perfect metamaterial absorber and sensor applications**

Bakir M., Karaaslan M., Dincer F., Delihacioglu K., Sabah C.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.11, pp.12091-12099, 2016 (SCI-Expanded)

**XLIV. Dynamical Chiral Metamaterial with Giant Optical Activity and Constant Chirality Over a Certain Frequency Band**

KARADAĞ F., Comez I., Dincer F., Bakir M., Karaaslan M.

APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.31, no.8, pp.919-925, 2016 (SCI-Expanded)

**XLV. Electromagnetic energy harvesting and density sensor application based on perfect metamaterial absorber**

Bakir M., Karaaslan M., Dincer F., Akgol O., Sabah C.

INTERNATIONAL JOURNAL OF MODERN PHYSICS B, vol.30, no.20, 2016 (SCI-Expanded)

**XLVI. U-shaped frequency selective surfaces for single- and dual-band applications together with absorber and sensor configurations**

Bakir M., Delihacioglu K., Karaaslan M., Dincer F., Sabah C.

IET MICROWAVES ANTENNAS & PROPAGATION, vol.10, no.3, pp.293-300, 2016 (SCI-Expanded)

**XLVII. Tunable perfect metamaterial absorber design using the golden ratio and energy harvesting and sensor applications**

Unal E., Dincer F., Tetik E., Karaaslan M., Bakir M., Sabah C.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.12, pp.9735-9740, 2015 (SCI-Expanded)

**XLVIII. Biosensor applications of chiral metamaterials for marrowbone temperature sensing**

- Sabah C., Dincer F., Karaaslan M., Bakir M., Unal E., Akgol O.  
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.29, no.17, pp.2393-2403, 2015 (SCI-Expanded)
- XLIX. **Perfect metamaterial absorber-based energy harvesting and sensor applications in the industrial, scientific, and medical band**  
Bakir M., Karaaslan M., Dincer F., Delihacioglu K., Sabah C.  
OPTICAL ENGINEERING, vol.54, no.9, 2015 (SCI-Expanded)
- L. **Chiral metamaterial design using optimized pixelated inclusions with genetic algorithm**  
Akturk C., Karaaslan M., Ozdemir E., Ozkaner V., Dincer F., Bakir M., Ozer Z.  
OPTICAL ENGINEERING, vol.54, no.3, 2015 (SCI-Expanded)
- LI. **Chiral Metamaterial Based Multifunctional Sensor Applications**  
Karaaslan M., Bakir M.  
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, vol.149, pp.55-67, 2014 (SCI-Expanded)
- LII. **ASYMMETRIC TRANSMISSION OF LINEARLY POLARIZED WAVES AND DYNAMICALLY WAVE ROTATION USING CHIRAL METAMATERIAL**  
Dincer F., Sabah C., Karaaslan M., Unal E., Bakir M., Erdiven U.  
PROGRESS IN ELECTROMAGNETICS RESEARCH-PIER, vol.140, pp.227-239, 2013 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Metamalzeme Tabanlı Hassas Süt ve Sıvı Sensörü Uygulaması**  
BAKIR M., yasar i.  
Avrupa Bilim ve Teknoloji Dergisi, 2020 (Peer-Reviewed Journal)
- II. **Metamalzeme tabanlı çok bantlı enerji hasadı uygulaması**  
BAKIR M.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.527-538, 2018 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Monitoring Lubrication Oil Quality via Metamaterial Sensor Application**  
KARAASLAN M., DALGAÇ Ş., BAKIR M., KARADAĞ F., AKGÖL O.  
6th International conference on materials science and nanotechnology for next generation (MSNG2019) Oral Presentationsn, 16 - 18 October 2019
- II. **Monitoring Lubrication Oil Quality via Metamaterial Sensor Application**  
KARAASLAN M., DALGAÇ Ş., BAKIR M., KARADAĞ F., AKGÖL O.  
6th International conference on materials science and nanotechnology for next generation (MSNG2019) Oral Presentationsn, 16 - 18 October 2019
- III. **Monitoring Lubrication Oil Quality via Metamaterial Sensor Application**  
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6th International conference on materials science and nanotechnology for next generation (MSNG2019) Oral Presentationsn, 16 - 18 October 2019
- IV. **Monitoring Lubrication Oil Quality via Metamaterial Sensor Application**  
KARAASLAN M., DALGAÇ Ş., BAKIR M., KARADAĞ F., AKGÖL O.  
6th International conference on materials science and nanotechnology for next generation (MSNG2019) Oral Presentationsn, 16 - 18 October 2019
- V. **ChiralMetamaterial Sensor For Concrete Agents**  
BAKIR M.  
5th International Material Science and Nanotechnology for Next Generation Conference, 4 - 06 October 2018
- VI. **Chiral Metamaterial Sensor Applications**  
DALGAÇ Ş., KARAASLAN M., BAKIR M., ÜNAL E., AKGÖL O., KARADAĞ F.

5th international conference on materials science and nanotechnology for next generation MSNG2018, 4 - 06 October 2018

**VII. Material Sensor for Detecting Adulteration**

DALGAÇ Ş., KARAASLAN M., BAKIR M., ÜNAL E., AKGÖL O., KARADAĞ F.

5th international conference on materials science and nanotechnology for next generation (MSNG2018), 4 - 06 October 2018

**VIII. Metamaterial Based Industrial Oil Aging Sensor**

BAKIR M., KARAASLAN M., KARADAĞ F., DALGAÇ Ş., ÜNAL E., AKGÖL O.

5th International conference on materials science and nanotechnology for next generation (MSNG2018), 4 - 06 October 2018

**IX. Fire Detection Behind a Wall by using Microwave Techniques**

ALKURT F. Ö., BAĞMANCI M., KARAASLAN M., BAKIR M., ALTINTAŞ O., KARADAĞ F., AKGÖL O., ÜNAL E.

33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935

**X. Chiral Metamaterial Based Microfluidic Sensor**

Bakir M., Karaaslan M., Karadag F., Dalgac S., Alkurt F. O., Bagmanci M., Altintas O.

12th International Congress on Artificial Materials for Novel Wave Phenomena (METAMATERIALS), Espoo, Finland, 27 August - 01 September 2018, pp.43-45

**XI. Design of a Dual Band Metamaterial Absorber for Wi-Fi Bands**

ALKURT F. Ö., BAĞMANCI M., KARAASLAN M., BAKIR M., ALTINTAŞ O., KARADAĞ F., AKGÖL O., ÜNAL E.

33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935

**XII. Octagonal Shaped Metamaterial Absorber For Energy Harvesting Application**

Alkurt F. Ö., ALTINTAŞ O., BAKIR M., KARADAĞ F., Tamer A., AKGÖL O., ÜNAL E., KARAASLAN M.

2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 October 2017

**XIII. Metamaterial Absorber Based Microwave Imaging**

ALKURT F. Ö., ALTINTAŞ O., BAKIR M., KARADAĞ F., TAMER A., AKGÖL O., ÜNAL E., KARAASLAN M.

International Conference on Condensed Matter and Materials Science, 11 - 15 October 2017

**XIV. MICROSTRIP PATCH ANTENNAS COVERED WITH CHIRAL METAMATERIAL STRUCTURES**

BAĞMANCI M., ALTINTAŞ O., KARADAĞ F., AKGÖL O., ÜNAL E., BAKIR M., KARAASLAN M.

TURKISH PHYSICAL SOCIETY 33 INTERNATIONAL PHYSICS CONGRESS, 6 - 10 September 2017

**XV. WIDEBAND METAMATERIAL ABSORBER BASED ON WHEEL RESONATORS FOR MICROWAVE ENERGY HARVESTING**

BAĞMANCI M., ALTINTAŞ O., ALKURT F. Ö., AKGÖL O., ÜNAL E., BAKIR M., KARAASLAN M.

Turkish Physical Society 33rd International Physics Congress, 6 September - 10 October 2017

**XVI. Microwave Metamaterial Absorber For Sensing Applications**

BAKIR M., KARAASLAN M., AKGÖL O., ÜNAL E., SABAH C.

International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017

**XVII. Multifunctional Sensor Applications in X Band**

BAKIR M., KARAASLAN M., AKGÖL O., ÜNAL E.

International Conference on Advances and Innovations in Engineering (ICAIE), 10 - 12 May 2017, pp.308-310

**XVIII. Electromagnetic energy harvesting by using tunable metamaterial absorbers Konfigüre Edilebilir Metamalzeme Sinyal Emicilerin Kullanimi Ile Elektromanyetik Enerjinin Kablosuz Toplanması**

Bakir M., Karaaslan M., Dincer F., Akgol O., Unal E., Delihacioğlu K., Sabah C.

2015 23rd Signal Processing and Communications Applications Conference, SIU 2015, Malatya, Turkey, 16 - 19 May 2015, pp.467-470

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**XX. Metamaterial Absorber Based Biosensor Applications**

KARAASLAN M., DİNÇER F., BAKIR M., DELİHACIOĞLU K., ÖZER Z., AKGÖL O., SABAH C.

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**XXI. U-ŞEKİLLİ FREKANS SEÇİCİ YÜZEYLERLE BAND DURDURAN FİLTRE TASARIMI**

DELİHACIOĞLU K., KARAASLAN M., ÜNAL E., SABAH C., BAKIR M., DİNÇER F.

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## Supported Projects

BAKIR M., Project Supported by Higher Education Institutions, Metamalzeme tabanlı sensör tasarlanarak beton içerisindeki malzemelerin oranlarının tahribatsız tespiti, 2018 - 2020

## Metrics

Publication: 76

Citation (WoS): 824

Citation (Scopus): 1097

H-Index (WoS): 19

H-Index (Scopus): 22

## Non Academic Experience

MİLLİ EĞİTİM BAKANLIĞI