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Personal Information

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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. **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)
- XVI. **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)
- 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. **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)
- XXIV. **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)
- 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. **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)
- XXXIV. **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)
- 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. **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)
- XXXVII. **Sensory applications of resonator based metamaterial absorber**
Bakir M., Karaaslan M., Akgöl O., Altintas O., Unal E., Sabah C.
OPTIK, vol.168, pp.741-746, 2018 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **Microwave metamaterial absorber for sensing applications**
Bakir M., Karaaslan M., Unal E., Akgöl 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., Akgöl 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**
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
- 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. **Material Sensor for Dedecting 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
- 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. ChiralMetamaterial Sensor For Concrete Agents

BAKIR M.

5th International Material Science and Nanotechnology for Next Generation Conference, 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 SensingApplications

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

XIX. Increasing bandwidth in antenna applications by using chiral metamaterials Bakışimsiz Metamalzemeler ile Anten Uygulamalarında Bant Genişliğinin ve Kazancın Arttırılması

Dincer F., Karaaslan M., Bakir M., 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.316-318

XX. Metamaterial Absorber Based Biosensor Applications

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

1st Conference on Medical and Biological Engineering in Bosnia and Herzegovina, 13 - 15 May 2015

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

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

URSI-TÜRKİYE'2014 VII. Bilimsel Kongresi, 28-30 Ağustos 2014, ELAZIĞ, Turkey, 28 - 30 August 2014

XXII. Giant circular dichroism in chiral metamaterials

DİNÇER F., KARAASLAN M., ÜNAL E., BAKIR M., ERDİVEN U., SABAH C.

2013 15th International Conference on Transparent Optical Networks (ICTON), Cartagena, Spain, 23 - 27 June 2013

Supported Projects

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

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Non Academic Experience

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