

Asst. Prof. Yaşar KARABUL

Personal Information

Email: karabul@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/karabul>

Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey 2015 - 2021

Postgraduate, Istanbul University, Faculty Of Science, Fizik, Turkey 2012 - 2014

Undergraduate, Abant İzzet Baysal Üniversitesi, Fen-Edebiyat Fakültesi, Fizik (İngilizce), Turkey 2007 - 2012

Dissertations

Doctorate, New generation radiation shielding: epoxy based metal oxide micro and nano structured composites, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2021

Postgraduate, Bazalt numunelerde EABF ve EBF parametrelerinin yeni bir metot ile tayini, İstanbul Üniversitesi, Fen Fakültesi, Fizik, 2014

Research Areas

Physics, Atomic and Molecular Physics, Nuclear physics

Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2022 - Continues

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, 2014 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multifunctional PCz/BaO nanocomposites: Ionizing radiation shielding ability and enhanced electric conductivity**
BEYAZAY E., KARABUL Y., Korkut S. E., KILIÇ M., Özdemir Z.
Progress in Nuclear Energy, vol.155, 2023 (SCI-Expanded)
- II. **Geochemical and energy storage properties of natural stones belong to limestone and Fe-shale families**
KARABUL Y., KILIÇ M., Ozdemir Z.
PHYSICS AND CHEMISTRY OF THE EARTH, vol.128, 2022 (SCI-Expanded)
- III. **Improving the electrical properties of poly[2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene] by doping with camphor sulfonic acid for energy storage applications**
Uludag C., KARABUL Y., KILIÇ M., KOÇ K., Alveroğlu Durucu E., Ozdemir Z.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.39, 2022 (SCI-Expanded)
- IV. **PCz/BaO nanocomposites: Synthesis, characterization, and energy storage properties**

- BEYAZAY E., KARABUL Y., KILIÇ M., EKEN KORKUT S., Ozdemir Z.
PHYSICA B-CONDENSED MATTER, vol.634, 2022 (SCI-Expanded)
- V. **Dielectric properties of P3HT/CSA composites for energy storage applications**
Uludag C., Alveroğlu Durucu E., KOÇ K., KARABUL Y., KILIÇ M., Ozdemir Z.
PHYSICA B-CONDENSED MATTER, vol.626, 2022 (SCI-Expanded)
- VI. **Radiation shielding performances of Na₂SiO₃ based low-cost micro and nano composites for diagnostic imaging**
Bozkurt M., ŞAHİN N., KARABUL Y., KILIÇ M., Özdemir Z.
PROGRESS IN NUCLEAR ENERGY, vol.143, 2022 (SCI-Expanded)
- VII. **Na₂Si₃O₇/Ag micro and nano-structured glassy composites: The experimental and MCNP simulation surveys of their radiation shielding performances**
Çağlar M., Karabul Y., Kılıç M., Güven Özdemir Z., İçelli O.
Progress In Nuclear Energy, vol.139, pp.1-13, 2021 (SCI-Expanded)
- VIII. **The assessment of usage of epoxy based micro and nano-structured composites enriched with Bi₂O₃ and WO₃ particles for radiation shielding**
Karabul Y., İçelli O.
Results in Physics, vol.26, 2021 (SCI-Expanded)
- IX. **Low cost radiation shielding material for low energy radiation applications: Epoxy/Yahyali Stone composites**
Sahin N., Bozkurt M., KARABUL Y., KILIÇ M., Ozdemir Z. G.
PROGRESS IN NUCLEAR ENERGY, vol.135, 2021 (SCI-Expanded)
- X. **Structural characterization and dielectric parameters of polyindole/WO₃ nanocomposites**
Erdonmez S., Karabul Y., Kılıç M., Ozdemir Z. G., Esmer K.
POLYMER COMPOSITES, vol.42, no.3, pp.1347-1355, 2021 (SCI-Expanded)
- XI. **Mechanical and dielectric behavior of LDPE/Bi-1212 films**
Alkan U., Kilic M., Karabul Y., Ozdemir Z.
MATERIALS TESTING, vol.62, no.9, pp.913-920, 2020 (SCI-Expanded)
- XII. **Negative real permittivity in (Bi_{0.3}Eu_{0.7})Sr₂CaCu₂O_{6.5} ceramic**
Kılıç M., Özdemir Z., Karabul Y., Karataş Ö., Çataltepe Ö. A.
Physica B: Condensed Matter, vol.584, 2020 (SCI-Expanded)
- XIII. **A transition in the electrical conduction mechanism of CuO/CuFe₂O₄ nanocomposites**
Ozdemir Z. G., Kılıç M., Karabul Y., Misirlioglu B., Çakır Ö., Kahya N. D.
JOURNAL OF ELECTROCERAMICS, vol.44, pp.1-15, 2020 (SCI-Expanded)
- XIV. **Na₂Si₃O₇/BaO composites for the gamma-ray shielding in medical applications: Experimental, MCNP5, and WinXCom studies**
Çağlar M., Kayacık H., Karabul Y., Kılıç M., Ozdemir Z., İçelli O.
PROGRESS IN NUCLEAR ENERGY, vol.117, 2019 (SCI-Expanded)
- XV. **BXCOM: a software for computation of radiation sensing**
Eyecioglu O., El-Khayatt A. M., KARABUL Y., Caglar M., TOKER O., İÇELLİ O.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.174, pp.506-518, 2019 (SCI-Expanded)
- XVI. **Availability of water glass/Bi₂O₃ composites in dielectric and gamma-ray screening applications**
Demirbay T., Çağlar M., Karabul Y., Kılıç M., İçelli O., Güven Özdemir Z.
Radiation Effects and Defects in Solids, vol.174, pp.419-434, 2019 (SCI-Expanded)
- XVII. **Effects of the gamma-irradiation strength and basalt additive content on the mechanical performance and dielectric response of polypropylene films**
Kılıç M., Ozdemir Z., Alkan U., Karabul Y., İçelli O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, 2019 (SCI-Expanded)
- XVIII. **Dielectric and gamma shielding properties of sodium silicate glassy structure modified with tungsten**
Kılıç M., Caglar M., Karabul Y., Ozdemir Z., İçelli O.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.174, pp.229-247, 2019 (SCI-Expanded)
- XIX. **Improved Dielectric and Electrical Properties of PANI Achieved by Using Low Cost Mineral Additive**

- Kılıç M., Karabul Y., Ozdemir Z., Misirlioglu B., İçelli O.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.26, pp.300-307, 2019 (SCI-Expanded)
- XX. **The influence of the partially europium substitution on the AC electrical properties of BiSr₂CaCu₂O_{6.5} ceramics**
Özdemir Z. G., KILIÇ M., KARABUL Y., Erdönmez S., İÇELLİ O.
Processing and Application of Ceramics, vol.13, no.4, pp.323-332, 2019 (SCI-Expanded)
- XXI. **Structural analysis and dielectric relaxation mechanism of conducting polymer/volcanic basalt rock composites**
Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Ozdemir Z., Erdonmez S., Misirlioglu B. S., Okutan M., İçelli O.
Materials Science- Poland, 2019 (SCI-Expanded)
- XXII. **Determination of Se, Cr, Mn, Zn, Co, Na, and K in Blood Samples of Breast Cancer Patients to Investigate Their Variation Using ICP-MS and ICP-OES**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu O., Karabul Y., Çağlar M., İçelli O.
ATOMIC SPECTROSCOPY, vol.40, pp.11-16, 2019 (SCI-Expanded)
- XXIII. **X-ray irradiated LDPE/PP blends with high mechanical and dielectric performance**
Alkan U., Kılıç M., Karabul Y., Çağlar M., İçelli O., Ozdemir Z.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, 2018 (SCI-Expanded)
- XXIV. **Effect of borax additive on the dielectric response of polypyrrole**
Kılıç M., Karabul Y., Ozdemir Z., Erdonmez S., Bulgurcuoğlu A. E., Yeşilkaya S. S., Okutan M., İçelli O.
Bulletin of Materials Science, vol.41, no.2, 2018 (SCI-Expanded)
- XXV. **Measurement of photon interaction parameters of high-performance polymers and their composites**
Buyukyildiz M., Tasdelen M. A., KARABUL Y., ÇAĞLAR M., İÇELLİ O., BOYDAŞ E.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.173, pp.474-488, 2018 (SCI-Expanded)
- XXVI. **Polythiophene Based Composite with Enhanced Dielectric Performance with Basalt**
Karabul Y., Kılıç M., Ozdemir Z., Erdönmez S., İçelli O.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.28, pp.325-333, 2018 (SCI-Expanded)
- XXVII. **Sodium Meta Silicate Doped PPy and PT Composites with Giant Dielectric Constant**
Erdönmez S., Karabul Y., Bulgurcuoğlu A. E., Kılıç M., Ozdemir Z., İçelli O.
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, vol.24, pp.3031-3037, 2017 (SCI-Expanded)
- XXVIII. **Determination of radiation shielding parameters of 304L stainless steel specimens from welding area for photons of various gamma ray sources**
Buyukyildiz M., KURUDİREK M., Ekici M., İÇELLİ O., KARABUL Y.
PROGRESS IN NUCLEAR ENERGY, vol.100, pp.245-254, 2017 (SCI-Expanded)
- XXIX. **Polypropylene/basalt thick film composites: structural, mechanical and dielectric properties**
Alkan U., Karabul Y., Bulgurcuoğlu A. E., Kılıç M., Ozdemir Z., İçelli O.
E-POLYMERS, vol.17, pp.417-425, 2017 (SCI-Expanded)
- XXX. **Synthesis and characterization of EuBa₂Ca₂Cu₃O_{9-x}: The influence of temperature on dielectric properties and charge transport mechanism**
Ozdemir Z., Kılıç M., Karabul Y., Misirlioglu B., Cataltepe O. A., İçelli O.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.63, pp.196-202, 2017 (SCI-Expanded)
- XXXI. **A study on compatibility of experimental effective atomic numbers with those predicted by ZXC**
Eyecioğlu O., EL-KHAYATT A. M., KARABUL Y., İÇELLİ O.
NUCLEAR SCIENCE AND TECHNIQUES, vol.28, no.5, 2017 (SCI-Expanded)
- XXXII. **Prediction of electron density and trace element concentrations in human blood serum following radioiodine therapy in differentiated thyroid cancer patients**
Bursalıoğlu E. O., ALKAN F. A., BARUTCU U. B., DEMİR M., KARABUL Y., BALKAN B., ÖZ E., İÇELLİ O.
MEASUREMENT, vol.100, pp.19-25, 2017 (SCI-Expanded)
- XXXIII. **Structural and dielectric properties of Europium based copper oxide layered perovskite material**
Ozdemir Z., KILIÇ M., KARABUL Y., Cataltepe O. A., İÇELLİ O., Onbasli U.

- FERROELECTRICS, vol.510, no.1, pp.121-131, 2017 (SCI-Expanded)
- XXXIV. **Gamma-ray irradiation effect on mechanical and dielectric properties of volcanic basalt mineral reinforced low density polyethylene films**
Kılıç M., Karabul Y., Alkan U., Yağcı Ö., Okutan M., Okutan M., İçelli O.
Physicochemical Problems of Mineral Processing, vol.53, no.1, pp.578-590, 2017 (SCI-Expanded)
- XXXV. **Electrical and mechanical properties of LDPE/PANI composites**
Alkan U., Kılıç M., Karabul Y., Yamak H., Okutan M., İçelli O.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.11, pp.343-348, 2016 (SCI-Expanded)
- XXXVI. **ZXCOS: a software for computation of radiation sensing attributes**
Eyecioglu O., KARABUL Y., EL-KHAYATT A. M., İclli O.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.171, pp.965-977, 2016 (SCI-Expanded)
- XXXVII. **Study of the electron densities of some food products dried using the new method**
Nuroglu E., Bursalioglu E. O., Karabul Y., Bakırdere S., İçelli O.
DRYING TECHNOLOGY, vol.34, pp.1445-1454, 2016 (SCI-Expanded)
- XXXVIII. **Computation of EABF and EBF for basalt rock samples**
KARABUL Y., Susam L. A., İÇELLİ O., Eyecioglu O.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.797, pp.29-36, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **Application of Supervised Machine Learning Regression Algorithms to Prediction of Dielectric Properties of PPY/Kufeki Stone Composites for Energy Implementations**
Eyecioglu O., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z.
Gazi University Journal of Science, vol.35, no.1, pp.235-254, 2022 (Scopus)
- II. **Experimental Comparison of PbO and BaO Addition Effect on Gamma Ray Shielding Performance of Epoxy Polymer**
Ergin Y., Karabul Y., Güven Özdemir Z., Kılıç M.
Avrupa Bilim ve Teknoloji Dergisi, vol.16, pp.256-266, 2019 (Peer-Reviewed Journal)
- III. **Volcanic Rock Reinforced Epoxy Composites for Gamma Ray Shielding**
Kara H., Karabul Y., Kılıç M., İçelli O., Güven Özdemir Z.
Avrupa Bilim ve Teknoloji Dergisi, vol.15, pp.552-560, 2019 (Peer-Reviewed Journal)
- IV. **The Effects of PANI Concentration on the Mechanical Properties of PP/PANI Composites**
Kılıç M., Alkan Ü., Karabul Y., Berber Yamak H., İçelli O.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.18, pp.426-433, 2018 (Peer-Reviewed Journal)
- V. **PT/BORAX COMPOSITE AS A HIGH DIELECTRIC CONSTANT MATERIAL WITH LOWER DIELECTRIC LOSS**
KILIÇ M., KARABUL Y., GÜVEN ÖZDEMİR Z., İÇELLİ O.
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY - A APPLIED SCIENCES AND ENGINEERING, vol.18, no.5, pp.1089-1097, 2017 (Peer-Reviewed Journal)
- VI. **Artificial Neural Networks Study on Prediction of Dielectric Permittivity of Basalt PANI Composites**
Eyecioglu Ö., Karabul Y., Alkan Ü., Kılıç M., İçelli O.
International Journal of Engineering Technologies, vol.2, no.2, pp.42-48, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Tungsten Trioxide Reinforced Epoxy Composites with Increased Dielectric Permittivity and Conductivity**

Şahin N., Karabul Y., Kılıç M., Güven Özdemir Z., Esmer K.

TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2022, pp.304

- II. **A Non-Carcinogenic Additive for Improving the Ionizing Radiation Shielding Performance of Epoxy: Silver Microparticles**
Yılmaz M., Kalkan N. E., İç S., Karabul Y., Kılıç M., Güven Özdemir Z.
TURKISH PHYSICAL SOCIETY 37TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 1 - 05 September 2021, pp.234
- III. **Yahyalı Stone Reinforced Epoxy Matrix for Gamma-Ray Screening**
Karabul Y., Bozkurt M., Şahin N., Kılıç M., Güven Özdemir Z.
ULUSLARARASI ANKARA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Ankara, Turkey, 4 - 06 October 2019, pp.411-412
- IV. **Enhanced Conductivity at PPy with the Addition of Tungsten Based Oxide Nanoparticles**
ERDÖNMEZ S., TOPUZ S., KARABUL Y., KILIÇ M., İÇELLİ O., GÜVEN ÖZDEMİR Z.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, 5 - 07 April 2019
- V. **Comparison of The Structural and AC Impedance Properties of PIn/Na₂SiO₃ and PIn/Na₂B₄O₇ Composites**
İncedal İ., Erdönmez S., Karabul Y., Kılıç M., İçelli O., Güven Özdemir Z.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, Edirne, Turkey, 5 - 07 April 2019
- VI. **The Complex Permittivity and AC Conductivity Analysis of PIn/Nano Structured WO₃ Composites**
ERDÖNMEZ S., ONGUN İ. E., KARABUL Y., KILIÇ M., İÇELLİ O., GÜVEN ÖZDEMİR Z.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, 5 - 07 April 2019
- VII. **AC Electrical Parameters of Polyindole/Volcanic Rock Composites**
Keskin U., Erdönmez S., Karabul Y., Kılıç M., İçelli O., Güven Özdemir Z.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, Edirne, Turkey, 5 - 07 April 2019, pp.4-5
- VIII. **Artificial Neural Network Study for the Estimation of the Components of Complex Permittivity of Polypyrrole/Limestone Composites**
Arı A. M., Eyecioğlu Ö., Kılıç M., Karabul Y., Güven Özdemir Z.
Balkan 1. Uluslararası Uygulamalı Bilimler Kongresi, Edirne, Turkey, 5 - 07 April 2019, pp.15-16
- IX. **Application of Artificial Neural Network Method for the Prediction of Frequency and Temperature Dependent Electrical Parameters of A Bi-Based Ceramic Material**
ARI A. M., KARABUL Y., KILIÇ M., EYECİOĞLU Ö., GÜVEN ÖZDEMİR Z.
IV. Uluslararası Mesleki Ve Teknik Bilimler Kongresi, 7 - 09 December 2018
- X. **Epoxy/Kayseri Limestone Composites with Gamma Ray Shielding Function**
Karabul Y., Şahin N., Bozkurt M., Kılıç M., Güven Özdemir Z.
ULUSLARARASI ANKARA BİLİMSEL ARAŞTIRMALAR KONGRESİ, Ankara, Turkey, 4 - 06 October 2019, pp.509-510
- XI. **The Influence of Nano Structured Tungsten Oxide Additive On The Impedance Spectrum of Polythiophene**
ERDÖNMEZ S., KARABUL Y., KILIÇ M., İÇELLİ O., GÜVEN ÖZDEMİR Z.
3rd International Conference on Organic Electronic Material Technologies (OEMT2018), 20 - 22 September 2018
- XII. **Mechanical Performance of PP/BiSr₂CaCu₂O_{6.5} Composites**
ALKAN Ü., KILIÇ M., ERDÖNMEZ S., KARABUL Y., GÜVEN ÖZDEMİR Z., İÇELLİ O.
International Conference on Organic Electronic Material Technologies (OEMT2018), 20 - 22 September 2018
- XIII. **As A Negative Dielectric Constant Material: Eu_{0.7}Bi_{0.3}Sr₂CaCu₂O_{6.5}**
Katma C., Karabul Y., Kılıç M., Güven Özdemir Z., İçelli O.
Turkish Physical Society 34th International Physical Congress, Muğla, Turkey, 5 - 09 September 2018
- XIV. **Complex Impedance and Dielectric Spectra of Epoxy/Kufeki Stone Composites**
TOPUZ S., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
Turkish Physical Society 34th International Physical Congress, 5 - 09 September 2018
- XV. **Radiation Shielding Ability of Basalt Reinforced Epoxy**
KARA H., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
Turkish Physical Society 34th International Physical Congress, 5 - 09 September 2018

- XVI. **Investigation of gamma-ray shielding parameters of Na₂Si₃O₇/Bi₂O₃ glassy composites**
DEMİRBAŞ T., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
4 th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 April 2018, pp.55
- XVII. **As a shielding glassy structures against gamma rays: epoxy/PbO and epoxy/BaO composites**
ERGİN Y., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
4 th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, Antalya, Turkey, 20 April 2018, pp.54
- XVIII. **X-ray shielding performance of sodium metasilicate/barium oxide glassy composites**
KAYACIK H., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
Theoretical and Experimental Studies in Nuclear Applications and Technology, 20 April 2018
- XIX. **Study of electron density via some elements in breast cancer patients' blood samples**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2714
- XX. **Investigation of the variations in Se, Cr, Mn, Zn, Co, Na, K concentrations in blood samples of breast cancer patients**
Toker O., Topdağı Ö., Bakırdere S., Bursalıoğlu E. O., Öz E., Eyecioğlu Ö., Karabul Y., Çağlar M., İçelli O.
International Advanced Researches and Engineering Congress, Osmaniye, Turkey, 16 - 18 November 2017, pp.2713
- XXI. **Mechanical and Dielectric Characterization of Polypropylene/Basalt Films Under Gamma-Ray Irradiation**
KARABUL Y., Alkan Ü., KILIÇ M., GÜVEN ÖZDEMİR Z., İÇELLİ O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 October 2017, pp.322
- XXII. **Temperature Dependent Dielectric Properties of EuxBi_{1-x}Sr₂CaCu₂O_{6.5} (x=0, 0.3, 0.5) Ceramic Composites**
KILIÇ M., GÜVEN ÖZDEMİR Z., KARABUL Y., İÇELLİ O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 October 2017, pp.168
- XXIII. **Enhance of The Radiation Shielding Performance of Concrete with Kufeki Stone Additive**
Bulgurcuoğlu A. E., Çağlar M., Karabul Y., Kılıç M., Güven Özdemir Z., İçelli O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 October 2017, pp.353
- XXIV. **LDPE/ PP Composites: Dielectric and Mechanical Properties Under Low Level Radiation**
KILIÇ M., Alkan Ü., GÜVEN ÖZDEMİR Z., KARABUL Y., Çağlar M., İÇELLİ O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 October 2017, pp.321
- XXV. **Sodium Silicate/Wolfram Glassy Composites: Investigation of Shielding and Dielectric Parameters**
KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., Çağlar M., İÇELLİ O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 October 2017, pp.169
- XXVI. **Investigation of Shielding Properties: Sodium Silicate/Kufeki Glassy Structure**
Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Çağlar M., Güven Özdemir Z., İçelli O.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017, pp.256
- XXVII. **Mechanical and Dielectric Properties of Low Density Polyethylene/Borax Composites**
Alkan Ü., Kılıç M., Karabul Y., İçelli O.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 06 September 2017, pp.177
- XXVIII. **Mechanical and Dielectric Properties of Polypropylene Composites Filled Borax**
Alkan Ü., Kılıç M., Karabul Y., İçelli O.

Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 06 September 2017, pp.515

- XXIX. **Effect of Impurity Doping on the Optical Properties ZnS Films**
Ulutaş Ü., YEŞİLKAYA S. S., KARABUL Y., YAĞCI Ö.
TPS-33 International Physics Congress, Muğla, Turkey, 06 September 2017, pp.603
- XXX. **Polythiophene/Basalt Composites: Synthesis, Structural Analysis and Dielectric Properties**
Bilen O., Karabul Y., Erdönmez S., Kılıç M., Güven Özdemir Z.
International Conference on Environment and Natural Science (ICENS), Oxford, United Kingdom, 19 - 20 August 2017, pp.41
- XXXI. **Structural and Dielectric Properties of Polypropylene/Volcanic Basalt Rock Thick Film Composites**
Kılıç M., Karabul Y., Bulgurcuoğlu A. E., Güven Özdemir Z., Alkan Ü., İçelli O.
International Engineering, Science and Education Conference 2016 (INESEC-2016), Diyarbakır, Turkey, 1 - 03 December 2016, pp.106
- XXXII. **The Effect of PANI on the PP Thick Film in terms of Dielectric and Mechanical Properties**
Kılıç M., Alkan Ü., Karabul Y., İçelli O.
2nd International Congress on the World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey, 28 September - 02 October 2016
- XXXIII. **Development of Sodium Silicate Bismuth Glass as a Radiation Shielding**
Karabul Y., Kılıç M., İçelli O.
2nd International Congress on the World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey, 28 September - 02 October 2016
- XXXIV. **Temperature Dependence of Dielectric Properties and Electrical Conductivity of $\text{EuBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{9-x}$**
Güven Özdemir Z., Kılıç M., Karabul Y., Süngü Mısırlıoğlu B., Aslan Çataltepe Ö., İçelli O.
2nd International Congress on The World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey, 28 September - 02 October 2016, pp.161
- XXXV. **Eu-Ba-Ca-Cu-O Perovskite Material as a Negative Temperature Coefficient Thermistor**
Güven Özdemir Z., Kılıç M., Karabul Y., Süngü Mısırlıoğlu B., Aslan Çataltepe Ö., İçelli O.
2nd International Congress on The World of Technology and Advanced Materials (WITAM-2016), Kırşehir, Turkey, 28 September - 02 October 2016, pp.160
- XXXVI. **Europium Based Composite Material As a Negative Dielectric Constant Medium**
Güven Özdemir Z., Aslan Çataltepe Ö., Yılmaz Canlı N., Kılıç M., Karabul Y., Okutan M., Onbaşı Ü.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.82
- XXXVII. **Determination of Radiation Shielding and Dielectric Properties on Sodium Silicate/Tungsten Glass Structure**
Kılıç M., Karabul Y., Alkan Ü., Okutan M., Bakırdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 May 2016, pp.102
- XXXVIII. **A Comprehensive Study on Dielectric Mechanism of Conducting Polymers Sodium Silicate Composites**
Erdönmez S., Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Güven Özdemir Z., Okutan M., Altındal A.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016
- XXXIX. **Dielectric Characterization of Conducting Polymers/Borax Composites**
Kılıç M., Karabul Y., Erdönmez S., Bulgurcuoğlu A. E., Yağci Ö., Alkan Ü., Okutan M., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016
- XL. **Magnetic Field Effect on Electrical Properties of Conducting PANI/Cu Composites**
Karabul Y., Kılıç M., Okutan M., Bakırdere S., İçelli O.
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016
- XLI. **Impedance Properties of Conducting Polymers Basalt Composites Under Magnetic Field**
Bulgurcuoğlu A. E., Erdönmez S., Karabul Y., Kılıç M., Yılmaz Canlı N., İçelli O., Okutan M.

2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Turkey, 17 - 19 May 2016, pp.1-2

- XLII. A Comprehensive Study on Dielectric Properties of Volcanic Rock/PANI Composites**
Kılıç M., Karabul Y., Okutan M., İçelli O.
1st International Physics Conference at the Anatolian Peak, IPCAP 2016, Erzurum, Turkey, 25 - 27 February 2016, vol.707
- XLIII. Correlation between some elements in breast cancer patients' blood and tissue samples and their electron density**
TOKER O., KARABUL Y., Bursahioğlu E. O., BAKIRDERE S., Sarıbal D., Eyecioğlu Ö., İÇELLİ O.
International Physics Conference at Anatolian Peak, Erzurum, Turkey, 25 February 2016, pp.1
- XLIV. Correlation between ratio of Na K Se Zn K P Cu Zn Se Fe Ca P at breast cancer patients blood samples which exposed to radiation and their electron density**
Toker O., KARABUL Y., BURSALIOĞLU E. O., BAKIRDERE S., İÇELLİ O., Sarıbal Kanber D.
The first International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 February 2016, pp.294
- XLV. Dielectric Characterization of Some Basalt Materials under Magnetic Field**
Meltem Ç., Kılıç M., Karabul Y., Yılmaz Canlı N., Alkan Ü., Okutan M., İçelli O.
Advanced and Functional Material Technologies (AFMAT2015), Antalya, Turkey, 26 - 28 October 2015, pp.48
- XLVI. A Comprehensive Study on effect of gamma radiation for basalt reinforced low density polyethylene**
Karabul Y., Kılıç M., Alkan Ü., Okutan M., İçelli O., Okutan M.
THE 8th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS (ROCAM2015), Bucuresti, Romania, 7 - 10 July 2015
- XLVII. Electrical and Mechanical Properties of PP/PANI Composites**
Kılıç M., Alkan Ü., Karabul Y., Berber Yamak H., Okutan M., İçelli O.
THE 8th INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS (ROCAM2015), Bucuresti, Romania, 7 - 10 July 2015, pp.173
- XLVIII. Electrical mechanism of Basalts with Polyaniline pani composites**
Karabul Y., Yılmaz M. A., Denктаş C., Okutan M., İçelli O.
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Elazığ, Turkey, 25 - 28 March 2015
- XLIX. Electrical and Mechanical Properties of PANI/LDPE Composites**
Alkan Ü., Kılıç M., Karabul Y., Berber Yamak H., Okutan M., İçelli O.
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Elazığ, Turkey, 25 - 28 March 2015
- L. Mössbauer spectroscopy and its application**
KARABUL Y., SUSAM L. A.
10th International Student Conference of the Balkan Physical Union, İstanbul, Turkey, 03 September 2013, pp.49

Supported Projects

Kılıç M., Beyazay E., Güven Özdemir Z., Şahin N., Karabul Y., Alkan Ü., Project Supported by Higher Education Institutions, Bazı Termoplastik Polimerlerin Elektrik ve Mekanik Özelliklerinin Çeşitli Takviye Malzemeleri ve Radyasyon ile Geliştirilmesi, 2020 - 2021

İÇELLİ O., KARABUL Y., Project Supported by Higher Education Institutions, YENİ NESİL RADYASYON ZIRHLAYICILAR: EPOKSİ TEMELLİ METAL OKSİT MİKRO VE NANO YAPILI KOMPOZİTLER, 2019 - 2021

İÇELLİ O., GÜVEN ÖZDEMİR Z., KILIÇ M., KARABUL Y., Project Supported by Higher Education Institutions, YÜKSEK RADYASYON ZIRHLAMA ÖZELLİĞİNE SAHİP AĞIR METAL OKSİT CAMLARIN ÜRETİLMESİ VE OPTİMİZASYONUN SAĞLANMASI, 2015 - 2018

KILIÇ M., KARABUL Y., İÇELLİ O., ALKAN Ü., Project Supported by Higher Education Institutions, POLİMERİK KOMPOZİTLERİN FARKLI SICAKLIKTA DIELEKTRİK VE MEKANİK ÖZELLİKLERİN İNCELENMESİ, 2015 - 2017
TUBITAK Project, Nükleer Spin Dağılım Fonksiyonunun Mikroskopik bir Yöntemle Hesaplanması, 2013 - 2015

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneđi, Member, 2012 - Continues

Metrics

Publication: 95

Citation (WoS): 260

Citation (Scopus): 278

H-Index (WoS): 9

H-Index (Scopus): 10

Awards

KARABUL Y., Sertifika Sınavı Birinciliđi, Nükleer Bilimler ve Uygulamaları Yaz Okulu, June 2015