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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Gazi University, Fen Fakültesi, Fizik Bölümü, Turkey 1988 - 1997

Postgraduate, Gazi University, Fen Fakültesi, Fizik Bölümü, Turkey 1985 - 1988

Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 1981 - 1985

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Yozgat Bozok University, Faculty of Arts and Sciences, Fizik, 2011 - Continues

Associate Professor, Yozgat Bozok University, Faculty of Arts and Sciences, Fizik, 2006 - 2011

Assistant Professor, Erciyes University, Fen Fakültesi, Fizik Bölümü, 1998 - 2006

Research Assistant, Gazi University, Gazi Eğitim Fakültesi, Eğitim Bilimleri Bölümü, 1985 - 1997

Academic and Administrative Experience

Yozgat Bozok University, 2007 - Continues

Dean, Yozgat Bozok University, 2013 - 2016

Dean, Yozgat Bozok University, 2012 - 2014

Director of The Institution, Yozgat Bozok University, 2011 - 2011

Yozgat Bozok University, 2008 - 2011

Erciyes University, 1999 - 2007

Erciyes University, 1998 - 2007

Courses

Undergraduate

MODERN FİZİK, Undergraduate, 2011 - 2012

Supervised Theses

Şahingöz R., DEMİR NİKEL ESASLI METALİK CAM ALAŞIMIN (Fe 39 Ni 39 Mo 4 Si 6 B 12) FİZİKSEL ÖZELLİKLERİNİN ISIL İŞLEM SONUCU FMR TEKNİĞİ İLE İNCELENMESİ, Postgraduate, A.PEHLİVANLI(Student), 2023

ŞAHİNGÖZ R., İnce filmlerde hall efekt tekniği ile manyetorezistans ölçümü, Postgraduate, A.KAYA(Student), 2019

ŞAHİNGÖZ R., CoO tabanlı feni ince filmlerde değiş-tokuş etkileşmesinin ferromanyetik rezonans ve VSM tekniği ile araştırılması, Postgraduate, E.HAKVERDİ(Student), 2014

ŞAHİNGÖZ R., Metal/poli(pentabromobenzyl methacrylate-co-glycidyl methacrylate) heterojunction diyotların elektriksel ve optiksel karakteristiklerinin incelenmesi, Postgraduate, M.KARA(Student), 2011

ŞAHİNGÖZ R., Metal/Poli(pentachlorophenyl methacrylate-co-glycidyl methacrylate) heterojunction diyotların elektriksel ve optiksel karakteristiklerinin incelenmesi, Postgraduate, S.CANSEVER(Student), 2011

ŞAHİNGÖZ R., Heusler tipi alaşımların manyetik özelliklerinin incelenmesi, Postgraduate, H.ŞEREFÖĞLU(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Novel Al/CoFe/p-Si and Al/NiFe/p-Si MS-type photodiode for sensing**
Yıldız D., Gullu H., Yıldırım M., Morley N., Şahingöz R.
Nanotechnology, vol.36, no.2, 2024 (SCI-Expanded)
- II. **Photoelectrical performances of semiconductor-based devices having CoFe and CoFeNi magnetic interlayers**
Yıldız D., Karabulut A., Yıldırım M., Morley N., Şahingöz R.
Physica Scripta, vol.99, no.6, 2024 (SCI-Expanded)
- III. **Improving effects of 1-naphthalenetic acid (NAA) as a co-adsorbent on photovoltaic parameters of dye-sensitized solar cells**
Kanbur Çavuş H., Şahingöz R., İldeş C.
JOURNAL OF OPTICS (INDIA), vol.54, pp.1-8, 2024 (SCI-Expanded)
- IV. **Preparation and investigation of binder-free TiO₂ paste for low temperature flexible DSSC applications**
Cavus H., Şahingöz R.
Journal of Optoelectronics and Advanced Materials, vol.23, no.7, pp.359-365, 2021 (SCI-Expanded)
- V. **Origin of the exchange bias training effects in magnetically coupled soft/hard synthetic bilayers at low temperature**
Yalcin O., Unluer S., Kazan S., Şahingöz R.
PHYSICA B-CONDENSED MATTER, vol.459, pp.74-78, 2015 (SCI-Expanded)
- VI. **ALD TiO₂ thin film as dielectric for Al/p-Si Schottky diode**
Aydin S. B. K., Yıldız D. E., Kanbur Çavuş H., Şahingöz R.
BULLETIN OF MATERIALS SCIENCE, vol.37, no.7, pp.1563-1568, 2014 (SCI-Expanded)
- VII. **Investigation of UV and I-V characteristics of high refractive index polymer thin film for optoelectronic applications**
Kanbur Çavuş H., Çavuş M., Şahingöz R.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.4, pp.1731-1735, 2014 (SCI-Expanded)
- VIII. **Magnetic field-induced oxidative stress and DNA damage in Mediterranean flour moth *Ephesia kuehniella* Zeller (Lepidoptera: Pyralidae) larvae**
Pandir D., Şahingöz R.
JOURNAL OF PEST SCIENCE, vol.87, no.1, pp.79-87, 2014 (SCI-Expanded)

- IX. **Assessment of the influence of magnetic fields on aspects of the biology of the adult Mediterranean flour moth *Ephestia kuehniella* Zeller, 1879 (Lepidoptera: Pyralidae)**
Pandır D., Sumer Ercan F., Şahingöz R.
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.4, pp.423-431, 2013 (SCI-Expanded)
- X. **Mediterranean flour moth *Ephestia kuehniella* eggs and larvae exposed to a static magnetic field and preference by *Trichogramma embryophagum***
Pandır D., Şahingöz R., Ercan F. S.
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.23, no.12, pp.1402-1411, 2013 (SCI-Expanded)
- XI. **Optical and electrical properties of new organic thin film**
Kanbur Çavuş H., Voigt M. M., Şahingöz R.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.12, pp.4833-4838, 2013 (SCI-Expanded)
- XII. **Novel acid mono azo dye compound: Synthesis, characterization, vibrational, optical and theoretical investigations of 2-[(E)-(8-hydroxyquinolin-5-yl)-diazonyl]-4,5-dimethoxybenzoic acid**
Saçmacı M., Kanbur Çavuş H., Arı H., Şahingöz R., Özpozan T.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.97, pp.88-99, 2012 (SCI-Expanded)
- XIII. **Magnetisation dynamics of as quenched and pulse annealed soft metallic glasses**
Yılmaz S., Erol M., Kazan S., Topkaya R., Sahingoz R.
MATERIALS RESEARCH INNOVATIONS, vol.16, no.5, pp.332-337, 2012 (SCI-Expanded)
- XIV. **Developing experiment-based science teaching skills: A lifelong learning opportunity for teachers in a rural area of Turkey**
Erol M., Boyuk U., Sahingoz R., Harrison T. G., Costa M. F.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES, vol.4, no.4, pp.2327-2338, 2012 (SCI-Expanded)
- XV. **The dependence of electrical properties of Al/NphAOEMA/PEDOT-PSS/ITO structures on temperature**
Sahingoz R., Cavus H., Altındal Ş., Soykan C., Dokme I.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.4, no.12, pp.2132-2135, 2010 (SCI-Expanded)
- XVI. **AC electrical conductivity and dielectric properties of Al/NphAOEMA/PEDOT-PSS/ITO structure at different temperatures**
Sahingoz R., Cavus H., Altındal Ş.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.4, no.11, pp.1779-1782, 2010 (SCI-Expanded)
- XVII. **Photoionization cross section and refractive-index change of hydrogenic impurities in a CdS-SiO₂ spherical quantum dot**
Yılmaz S., Safak H., Şahingöz R., Erol M.
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.8, no.3, pp.438-444, 2010 (SCI-Expanded)
- XVIII. **Investigation of magnetic profile of Fe₇₇Cr₂Si₅B₁₆ metallic glass by using ferromagnetic resonance FMR and vibrating sample magnetometry VSM techniques**
Şahingöz R., Erol M., Yılmaz S., Kazan S., Topkaya R.
Optoelectronics and Advanced Materials, vol.4, no.4, pp.465-469, 2010 (SCI-Expanded)
- XIX. **The determination of interface states and series resistance profile of Al/polymer/PEDOT-PSS/ITO heterojunction diode by I-V and C-V methods**
Sahingoez R., Kanbur H., Voigt M., Soykan C.
SYNTHETIC METALS, vol.158, pp.727-731, 2008 (SCI-Expanded)
- XX. **Thickness dependence of magnetic properties of Co₉₀Fe₁₀ nanoscale thin films**
Yalcin O., Kazan S., Sahingoez R., Yildiz F., Yerli Y., Aktas B.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.841-845, 2008 (SCI-Expanded)

- XXI. **FMR studies of bilayer Co₉₀Fe₁₀/Ni₈₁Fe₁₉, Ni₈₁Fe₁₉/Co₉₀Fe₁₀ and monolayer Ni₈₁Fe₁₉ thin films**
Guner S., Yalcin O., Kazan S., Yildiz F., Sahingoz R.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.203, no.7, pp.1539-1544, 2006 (SCI-Expanded)
- XXII. **The determination of the conduction mechanism and extraction of diode parameters of ITO/PEDOT-PSS/POLYMER/Al heterojunction diode**
Sahingoz R., Soykan C., Yakuphanoglu F., Voigt M., Çetin H.
Optical Materials, vol.28, no.8-9, pp.962-965, 2006 (SCI-Expanded)
- XXIII. **5-(4-methoxybenzoyl)-6-(4-methoxyphenyl)-3phenyl-3,4-dihydro-2H-1,3-oxazine-2,4-dione**
Adams H., Hawxwell S., Sacmaci M., Ungoren Ş. H., Akcamur Y., Sahingoz R.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- XXIV. **The effect of pressure on thermal properties of poly(phenacrylmethacrylate)**
Soykan C., Sahingoz R., Yakuphanoglu F.
Journal of Thermal Analysis and Calorimetry, vol.82, no.2, pp.299-302, 2005 (SCI-Expanded)
- XXV. **Experimental determination of thermal conductivity of solid and liquid phases in Bi-Sn and Zn-Mg binary eutectic alloys**
Erol M., Keşlioğlu K., Şahingöz R., Maraşlı N.
Metals and Materials International, vol.11, no.5, pp.421-428, 2005 (SCI-Expanded)
- XXVI. **Magnetoresistance and magnetostriction of Ni₈₁Fe₁₉ and Co₉₀Fe₁₀ mono- and bilayer films**
Sahingoz R., Hollingworth M., Gibbs M., Murdoch S.
Journal of Magnetism and Magnetic Materials, vol.290-291 PART 2, pp.1059-1062, 2005 (SCI-Expanded)
- XXVII. **Observation of changing of magnetic properties and microstructure of metallic glass Fe₇₈Si₉B₁₃ with annealing**
Sahingoz R., Erol M., Gibbs M. R.
Journal of Magnetism and Magnetic Materials, vol.271, no.1, pp.74-78, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Voltage and Frequency Dependence Dielectric Properties of Au/n-CdTe Schottky Diodes**
Kanbur Çavuş H., Çavuş M., İldeş C., Büyükakkaş S., Şahingöz R.
<https://dergipark.org.tr/tr/pub/bjs>, vol.1, no.1, pp.1-10, 2023 (Peer-Reviewed Journal)
- II. **The improvement of magnetic coercivity of metallic glass $\text{Fe}_{81}\text{Si}_{3.5}\text{B}_{13.5}\text{C}_2$ with pulse annealing in air**
Şahingöz R., Gibbs M. R., Çolakoğlu K.
Turkish Journal of Physics, vol.20, no.12, pp.1287-1293, 1996 (Scopus)

Books

- I. **YOZGAT'IN ACİL KURTULUŞ EYLEM PLANI URANYUM YAKITLI MİKRO REAKTÖRLER**
Şahingöz R.
in: ULUSLARARASI KALKINMADA YOZGAT'IN POTANSİYELİ PROBLEMLERİ VE ÇÖZÜM ÖNERİLERİ, Mustafa Özalp, Editor, Kriter Yayınevi, İstanbul, pp.59-74, 2024
- II. **YOZGAT'IN ENERJİ POTANSİYELİ**
ŞAHİNGÖZ R., KANBUR ÇAVUŞ H., YAVUZ PEHLİVANLI B.
in: Uluslararası Kalkınmada Yozgat'ın Potansiyeli Problemleri ve Çözüm Önerileri, ÖZALP MUSTAFA, Editor, Kriter Yayınları, Ankara, pp.25-50, 2024
- III. **YARDIMCI ABSORPLAYICI OLARAK OKSİN TÜREVLERİNİN KULLANILMASININ BOYA DUYARLI GÜNEŞ PİLLERİNİNE ETKİSİ**

Şahingöz R., Kanbur Çavuş H., İldeş C.

in: TARIM BİLİMLERİ ALANINDA MULTİDİSİPLİNER GÜNCEL ÇALIŞMALARII, Doç. Dr. Kübra YAZICI, Doç. Dr. Hülya DOĞAN, Editor, İKSAD, Yozgat, pp.321-336, 2023

IV. EFFECT OF MAGNETIC FIELD ON PLANT DEVELOPMENT

KANBUR ÇAVUŞ H., İLDEŞ C., ŞAHİNGÖZ R.

in: MEDICINAL AND ECONOMIC IMPORTANCE OF PLANTS, Prof. Dr. Hatice BAŞ, Doç. Dr. Hülya DOĞAN, Editor, İKSAD, pp.309-323, 2023

V. Manyetizma ve Manyetik Malzemeler: Magnetism and Magnetic Materials

Şahingöz R.

Nobel Yayın Dağıtım, Ankara, 2015

Papers Published in Refereed Scientific Meetings

I. INVESTIGATION OF CdTe SCHOTTKY DIODES AT HIGH FREQUENCIES FOR SOLAR CELL APPLICATIONS

Kanbur Çavuş H., İldeş C., Çavuş M., Şahingöz R.

4th International World Energy Conference, Kayseri, Turkey, 6 - 08 December 2024, pp.264-271

II. INVESTIGATION OF THE EFFICIENCY OF DYE-SENSITIZED SOLAR CELLS BY ADDING DIFFERENT COADSORBENTS TO N719 DYE

Kanbur Çavuş H., Şahingöz R., Yaman C., Horon Atmaca E.

VIII. International Conference on Global Practice of Multidisciplinary Scientific Studies, Dubai, United Arab Emirates, 25 - 29 September 2024, pp.292-302

III. The Effects Acetic Acid Derivatives as Co-adsorbents on the Dye-Sensitized Solar Cells

Kanbur Çavuş H., Şahingöz R., Yaman C., Atmaca E.

Türk Fizik Derneği 39. Uluslararası Fizik Kongresi, Muğla, Turkey, 31 August - 04 September 2023

IV. Perfect Raw Materials Metallic Glasses and Some Applications 22-24 September 2022.

KANBUR ÇAVUŞ H., ŞAHİNGÖZ R.

9 th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2022), Turkey, 22 - 24 September 2022

V. "Production and Characterization of Flexible Dye Sensitized Solar Cells"

KANBUR ÇAVUŞ H., ŞAHİNGÖZ R., İLDEŞ C.

9 th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG-2022), Ankara, Turkey, 22 September 2022

VI. Electrical Analysis of Polymer Thin Films Comparison Study

ŞAHİNGÖZ R., KANBUR ÇAVUŞ H.

1. International Underground Resources and Energy Conferences, 6 - 08 October 2016

VII. Some Magnetic properties of Metallic Glasses as Perfect Raw Materials for Applications

ŞAHİNGÖZ R., KANBUR ÇAVUŞ H.

1. International Underground Resources and Energy Conference, 6 - 08 October 2016

Supported Projects

ŞAHİNGÖZ R., PEHLİVANLI A., Project Supported by Higher Education Institutions, DEMİR NİKEL ESASLI METALİK CAM ALAŞIMIN (Fe₃₉Ni₃₉Mo₄Si₆B₁₂) FİZİKSEL ÖZELLİKLERİNİN ISIL İŞLEM SONUCU FMR TEKNİĞİ İLE İNCELENMESİ, 2022 - 2023

ŞAHİNGÖZ R., İLDEŞ C., Project Supported by Higher Education Institutions, TiO₂ ile Auxin tabanlı esnek güneş hücrelerinin üretilmesi ve temel parametrelerinin karşılaştırılması, 2020 - 2022

ŞAHİNGÖZ R., Project Supported by Higher Education Institutions, Metal/Polymer Heteroj., Diyotların Elek.ve Dielek. Karak. Geniş Bir Sıcaklık Ara. İn. (Mennan Kara, Hatice Kanbur, Sinan Kaya, Savaş Cansever*16/03/2010), 2010 -

2011

ŞAHİNGÖZ R., Project Supported by Higher Education Institutions, Metal/Polymer Heteroj, Diyetlerin Elek ve Dielek. Karak. Geniş Bir Frekans Ara. İ. n. (Mennan Kara, Hatice Kanbur, Sinan Kaya, Savaş Cansever*23/12/2009), 2009 - 2010

Metrics

Publication: 41

Citation (WoS): 162

Citation (Scopus): 298

H-Index (WoS): 6

H-Index (Scopus): 9

Non Academic Experience

Bozok Üniversitesi, Öğretim Üyesi (Prof. Dr.)

Bozok Üniversitesi, Öğretim Üyesi (Doç. Dr.)

Erciyes Üniversitesi Yozgat Fen Edebiyat Fakültesi, Öğretim Üyesi (Yrd. Doç. Dr.)

Gazi Üniversitesi, Araştırma Görevlisi