

# Prof. RECEP ŞAHİNGÖZ

## Personal Information

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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, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2011 - Continues

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 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

MODERN FİZİK, Undergraduate, 2011 - 2012

## Advising 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., ŞAHİNGÖZ 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., ŞAHİNGÖZ 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.3, pp.1-8, 2024 (SCI-Expanded)
- IV. **Preparation and investigation of binder-free TiO<sub>2</sub> paste for low temperature flexible DSSC applications**  
Cavus H., ŞAHİNGÖZ 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., ŞAHİNGÖZ R.  
PHYSICA B-CONDENSED MATTER, vol.459, pp.74-78, 2015 (SCI-Expanded)
- VI. **ALD TiO<sub>2</sub> thin film as dielectric for Al/p-Si Schottky diode**  
Aydin S. B. K., YILDIZ D. E., KANBUR ÇAVUŞ H., ŞAHİNGÖZ 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., ŞAHİNGÖZ 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 *Ephestia kuehniella* Zeller (Lepidoptera: Pyralidae) larvae**  
PANDIR D., ŞAHİNGÖZ R.  
JOURNAL OF PEST SCIENCE, vol.87, no.1, pp.79-87, 2014 (SCI-Expanded)
- IX. **Mediterranean flour moth *Ephestia kuehniella* eggs and larvae exposed to a static magnetic field and preference by *Trichogramma embryophagum***  
PANDIR D., ŞAHİNGÖZ R., Ercan F. S.  
BIOCONTROL SCIENCE AND TECHNOLOGY, vol.23, no.12, pp.1402-1411, 2013 (SCI-Expanded)

- X. **Optical and electrical properties of new organic thin film**  
KANBUR ÇAVUŞ H., Voigt M. M., ŞAHİNGÖZ R.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.24, no.12, pp.4833-4838, 2013 (SCI-Expanded)
- XI. **Assessment of the influence of magnetic fields on aspects of the biology of the adult Mediterranean flour moth *Ephestia kuehniella* Zeller, 1879 (Lepidoptera: Pyralidae)**  
PANDIR D., Sumer Ercan F., ŞAHİNGÖZ R.  
TURKIYE ENTOMOLOJİ DERGİSİ-TURKISH JOURNAL OF ENTOMOLOGY, vol.37, no.4, pp.423-431, 2013 (SCI-Expanded)
- XII. **Novel acid mono azo dye compound: Synthesis, characterization, vibrational, optical and theoretical investigations of 2-[(E)-(8-hydroxyquinolin-5-yl)-diazenyl]-4,5-dimethoxybenzoic acid**  
SAÇMACI M., KANBUR ÇAVUŞ H., ARI H., ŞAHİNGÖZ R., Ozpozan T.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.97, pp.88-99, 2012 (SCI-Expanded)
- XIII. **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)
- XIV. **Photoionization cross section and refractive-index change of hydrogenic impurities in a CdS-SiO<sub>2</sub> spherical quantum dot**  
YILMAZ S., Safak H., ŞAHİNGÖZ R., Erol M.  
CENTRAL EUROPEAN JOURNAL OF PHYSICS, vol.8, no.3, pp.438-444, 2010 (SCI-Expanded)
- XV. **Investigation of magnetic profile of Fe<sub>77</sub>Cr<sub>2</sub>Si<sub>5</sub>B<sub>16</sub> metallic glass by using ferromagnetic resonance FMR and vibrating sample magnetometry VSM techniques**  
ŞAHİNGÖZ R., EROL M., YILMAZ S., KAZAN S., topkaya r.  
Optoelectronics and Advanced Materials, vol.4, no.4, pp.465-469, 2010 (SCI-Expanded)
- XVI. **The determination of interface states and series resistance profile of Al/polymer/PEDOT-PSS/ITO heterojunction diode by I-V and C-V methods**  
Sahingoz R., Kanbur H., Voigt M., Soykan C.  
SYNTHETIC METALS, vol.158, pp.727-731, 2008 (SCI-Expanded)
- XVII. **Thickness dependence of magnetic properties of Co<sub>90</sub>Fe<sub>10</sub> nanoscale thin films**  
Yalcin O., Kazan S., Sahingoz R., Yildiz F., Yerli Y., Aktas B.  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.841-845, 2008 (SCI-Expanded)
- XVIII. **FMR studies of bilayer Co<sub>90</sub>Fe<sub>10</sub>/Ni<sub>81</sub>Fe<sub>19</sub>, Ni<sub>81</sub>Fe<sub>19</sub>/Co<sub>90</sub>Fe<sub>10</sub> and monolayer Ni<sub>81</sub>Fe<sub>19</sub> 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)
- XIX. **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)
- XX. **The effect of pressure on thermal properties of poly(phenacrylate)**  
Soykan C., Sahingoz R., Yakuphanoglu F.  
Journal of Thermal Analysis and Calorimetry, vol.82, no.2, pp.299-302, 2005 (SCI-Expanded)
- XXI. **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)
- XXII. **Magnetoresistance and magnetostriction of Ni<sub>81</sub>Fe<sub>19</sub> and Co<sub>90</sub>Fe<sub>10</sub> 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)
- XXIII. **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., MARAŞLI N.  
Metals and Materials International, vol.11, no.5, pp.421-428, 2005 (SCI-Expanded)
- XXIV. **Observation of changing of magnetic properties and microstructure of metallic glass Fe<sub>78</sub>Si<sub>9</sub>B<sub>13</sub> 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., ŞAHİNGÖZ 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  $Fe_{81}Si_{3.5}B_{13.5}C_2$  with pulse annealing in air**  
ŞAHİNGÖZ R., GIBBS M. R., ÇOLAKOĞLU K.  
Turkish Journal of Physics, vol.20, no.12, pp.1287-1293, 1996 (Scopus)

## Books & Book Chapters

- I. **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
- II. **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
- III. **Manyetizma ve Manyetik Malzemeler: Magnetism and Magnetic Materials**  
Şahingöz R.  
Nobel Yayın Dağıtım, Ankara, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **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
- II. **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
- III. **"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

#### IV. Electrical Analysis of Polymer Thin Films Comparison Study

ŞAHİNGÖZ R., KANBUR ÇAVUŞ H.

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

#### V. 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 (Fe<sub>39</sub>Ni<sub>39</sub>Mo<sub>4</sub>Si<sub>6</sub>B<sub>12</sub>) FİZİKSEL ÖZELLİKLERİNİN ISIL İŞLEM SONUCU FMR TEKNİĞİ İLE İNCELENMESİ, 2022 - 2023

ŞAHİNGÖZ R., İLDEŞ C., Project Supported by Higher Education Institutions, TiO<sub>2</sub> 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.Diyotların Elek.ve Dielek.Karak.Geniş Bir Frekans Ara.İn.(Mennan Kara,Hatice Kanbur,Sinan Kaya, Savaş Cansever\*23/12/2009), 2009 - 2010

### Metrics

Publication: 35

Citation (WoS): 267

Citation (Scopus): 274

H-Index (WoS): 8

H-Index (Scopus): 8

### Non Academic Experience

Bozok Üniversitesi

Bozok Üniversitesi

Erciyes Üniversitesi Yozgat Fen Edebiyat Fakültesi

Gazi Üniversitesi