

Res. Asst. PhD Ayşegül ÇELİK BOZDOĞAN

Personal Information

Email: aycecik@yildiz.edu.tr

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

International Researcher IDs

ORCID: 0000-0002-2430-4143

ScopusID: 57211511144

Yoksis Researcher ID: 40856

Education Information

Doctorate, Yildiz Technical University, Fen Bilimleri, Turkey 2006 - 2012

Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey 2003 - 2006

Undergraduate, Yildiz Technical University, Fen Edeb. Fak., Fizik, Turkey 1998 - 2003

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Optical Properties, Spectroscopy of Matter, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Yildiz Technical University, Fen Edebiyat Fakültesi, Fizik, 2005 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Effect of Storage Conditions and Time on the Antimicrobial Activities of CuO Nanoparticles**
ORUÇ Ç., ÇELİK BOZDOĞAN A., KURT GÜR G.
Journal of Materials Engineering and Performance, vol.33, no.23, pp.13455-13462, 2024 (SCI-Expanded)
- II. **Determination of the Optimum Annealing Temperature in the Production of CuO Nanoparticles with Antimicrobial Properties**
Oruç Ç., Çelik Bozdoğan A., Kurt Gür G., Aşıkoğlu Bozkurt A., Luş H. M.
NANO, vol.17, no.2, pp.22500141-22500149, 2022 (SCI-Expanded)
- III. **Synthesis and characterization of a new hydrogen bonded side chain liquid crystal block copolymer and investigation of electrical properties**
Korkmaz B., Ozerol E., Bozdogan A., Okutan M., Şenkal B. F., Gursel Y. H.
Pure and Applied Chemistry, vol.89, no.1, pp.19-28, 2017 (SCI-Expanded)
- IV. **The effect on the impedance characteristics of the metal oxides (Al₂O₃ and ZnO) doping into polyaniline**
Özerol E., Bozdogan A., Şenkal B. F., Okutan M.
Materials Science in Semiconductor Processing, vol.56, pp.357-361, 2016 (SCI-Expanded)
- V. **Temperature dependent Raman spectra of CsCdBr₃ and CsCdCl₃ crystals**
DEMIRBILEK R., FEILE R., BOZDOĞAN A.

JOURNAL OF LUMINESCENCE, vol.161, pp.174-179, 2015 (SCI-Expanded)

VI. Electronic energy levels of RbCdBr₃ crystal

Demirbilek R., Bozdogan A., Calskan M., Ozen G.

PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.248, no.7, pp.1723-1726, 2011 (SCI-Expanded)

VII. Electronic energy levels of CsCdCl₃

Demirbilek R., Çelik Bozdoğan A., Çalışkan M., Asan G., Özen G.

Journal Of Luminescence, vol.131, pp.1853-1856, 2011 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of Au Grown on GaAs Substrate for Applying as Counter Electrode on Conversion Efficiency of Dye-Sensitized Solar Cells

Gürbüz O., Kırsoy A., Aytan Kılıçarslan F., Çelik Bozdoğan A., Erden İ., Fırat Y.

ENERGY AND ENVIRONMENT FOCUS, vol.5, pp.268-273, 2016 (Peer-Reviewed Journal)

II. "The Structural and Electrical Characteristics of Ni/Si Junctions

CAFER T., AYDIN YÜKSEL S., ÇELİK BOZDOĞAN A.

Balkan Physics Letter, pp.456-459, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Synthesis of TiO Doped Copper Oxide Nanoparticles by Sol-gel Method and Investigation of Antibacterial Properties for Escherichia Coli

Çelik Bozdoğan A., Kurt Gür G.

Türk Fizik Derneği, Muğla, Turkey, 4 - 08 September 2019, vol.1, pp.124

II. Preparation and Characterization of Poly 2 Aminophenol Barium Titanate Composites

Çoğalmış T., ÖZEROL E., ÇELİK BOZDOĞAN A., ŞENKAL B. F., OKUTAN M.

Nanong 2016, 20 - 22 October 2016

III. Preparation and Characterization of Poly (2-Aminophenol) Nanoclay Composites

Çelik Bozdoğan A., Çoğalmış T., Ahlatcıoğlu Özerol E., Okutan M., Şenkal B. F.

Nanong 2016, Antalya, Turkey, 20 - 22 October 2016, pp.145-146

IV. Preparation and Characterization of Poly (2-Aminophenol) Boronnitride Composites

ÇELİK BOZDOĞAN A., Çoğalmış T., Şenkal B. F., Okutan M.

Nanong 2016, 01 October 2016

V. Role of cathode electron in dye sensitized solar cell Effect of GaAs Au

ÇELİK BOZDOĞAN A., KIRSOY A., GÜRBÜZ O., ERDEN İ., AYTAN KILIÇARSLAN F., OKUTAN M.

12. International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016

VI. Preparation and Characterization of Poly 2 Anilinoethanol Barium Titanate Composites

ÖZEROL E., ŞENKAL B. F., OKUTAN M., ÇELİK BOZDOĞAN A., Kaya Y.

OEMT 2016, 17 - 19 May 2016

VII. Preparation And Characterization of Poly (N-Vinyl Carbazole) Nanoclay Composites

ÇELİK BOZDOĞAN A., Şenkal B. F., Okutan M.

Nanong2015, 01 October 2015

VIII. Preparation And Characterization of Poly (N-Vinyl Carbazole) Magnetite Composites

ÇELİK BOZDOĞAN A., Şenkal B. F., Okutan M.

Nanong2015, 01 October 2015

IX. Preparation And Characterization of Poly (N-Vinyl Carbazole) Boron Nitride Composites

ÇELİK BOZDOĞAN A., Şenkal B. F., Okutan M.

Nanong2015, 01 October 2015

X. Investigation of Up-Conversion Mechanism in Ho³⁺ Doped CsCdCl₃ Crystal

ÇELİK BOZDOĞAN A., İngin S., Çalışkan M., Demirbilek R.

EMRS-2015, 01 May 2015

- XI. **Structural Magnetical and Electrical Properties of Magnetite Doped Polyaniline**
AHLATÇIOĞLU E., ÇELİK BOZDOĞAN A., BOZDOĞAN A., ŞENKAL B. F., OKUTAN M.
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), 25 - 28 March 2015
- XII. **PREPARATION AND CHARACTERIZATION OF POLY Thiophene modified NANOCCLAY COMPOSITES**
AHLATÇIOĞLU E., ŞENKAL B. F., OKUTAN M., ÇELİK BOZDOĞAN A.
OEMT 2015, 25 - 28 March 2015
- XIII. **Excitation and Emission Spectra of CsMgCl₃, CsMgBr₃ and CsMgI₃**
ÇELİK BOZDOĞAN A., Demirbilek R., Çalışkan M., Asan G., Özen G.
Photon12 IOP s premier event in optics and photonics, 01 September 2012
- XIV. **Strange change of CsCdCl₃-excitation spectra with temperature**
ÇELİK BOZDOĞAN A., Çalışkan M., Asan G., Özen G.
Photon12 IOP s premier event in optics and photonics, 01 September 2012
- XV. **Temperature Dependence of Optical Spectra of CsCdCl₃**
ÇELİK BOZDOĞAN A., Asan G., Özen G., Demirbilek R.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, 01 September 2011
- XVI. **CsCdCl₃ ve RbCdBr₃ Kristallerinin Elektronik Enerji Seviyeleri**
ÇELİK BOZDOĞAN A., Çalışkan M., Asan G., Özen G., Demirbilek R.
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, 01 September 2011
- XVII. **Excitation and Emission Spectra of RbCdBr₃ Crystal and Their Temperature Dependence**
ÇELİK BOZDOĞAN A., Çalışkan M., Özen G., Demirbilek R.
27.TFD, 01 September 2010
- XVIII. **Excitation and Emission Spectra of CsCdCl₃**
ÇELİK BOZDOĞAN A., Asan G., Özen G., Demirbilek R.
27.TFD, 01 September 2010
- XIX. **Excitation Spectra and Electronic Energy Levels of Some AMX₃-Crystals**
ÇELİK BOZDOĞAN A., Asan G., Özen G., Demirbilek R.
27.TFD, 01 September 2010
- XX. **Excitation and Emission Spectra of RbCdBr₃**
ÇELİK BOZDOĞAN A., Asan G., Çalışkan M., Özen G., Demirbilek R.
11.Europhysical Conference on Defects in Insulating Materials, 01 July 2010
- XXI. **Bazı AMX₃ Kristallerinin Örgü Elektronik Enerji Seviyeleri**
ÇELİK BOZDOĞAN A., Çalışkan M., Asan G., Özen G.
12.Ulusal Optik, Elektro-Optik ve Fotonik Toplantısı, 01 May 2010
- XXII. **Bridgman Yöntemi ile Büyütülmüş Bazı AMX₃ Kristallerinin Optik Absorbsiyon Spektrumları**
ÇELİK BOZDOĞAN A., Demirci E. Ç., Asan G., Çalışkan M., Özen G., Demirbilek R.
26.TFD, 01 September 2009
- XXIII. **Bazı AMX₃ Kristallerinin Bridgman Yöntemi ile Büyütülmesi ve Karakterizasyonu**
ÇELİK BOZDOĞAN A., Kaygusuz H., Çalışkan M., Asan G., Keleş V., Özen G., Demirbilek R.
25.TFD, 01 September 2008

Supported Projects

BOZDOĞAN A., OKUTAN M., ŞENKAL B. F., ÇELİK BOZDOĞAN A., Project Supported by Higher Education Institutions, Organik alan etkili transistörlerin elektronik özelliklerinin iyileştirilmesi, 2015 - 2018

ÇELİK BOZDOĞAN A., Project Supported by Higher Education Institutions, Ho³⁺ katkılı CsCdCl₃ kristalinde yüksek enerjiye dönüşüm mekanizmasının araştırılması, 2014 - 2017

DEMİRBİLEK R., ÇELİK BOZDOĞAN A., ÇALIŞKAN M., TUBITAK Project, Bazı AMX₃ kristallerinin kristal örgü elektronik enerji seviyelerinin araştırılması, 2007 - 2010

Metrics

Publication: 33

Citation (WoS): 23

Citation (Scopus): 28

H-Index (WoS): 3

H-Index (Scopus): 3