

## Assoc. Prof. ÖZLEM BİLGİLİ

### Personal Information

**Email:** ozlem.bilgili@deu.edu.tr

**Web:** <https://avesis.deu.edu.tr/ozlem.bilgili>

### International Researcher IDs

ScholarID: YV6-2NQAAAAJ

ORCID: 0000-0002-6334-2513

Publons / Web Of Science ResearcherID: P-4519-2019

ScopusID: 25630472500

Yoksis Researcher ID: 120555

### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2007 - 2013

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, Turkey 2000 - 2005

### Dissertations

Doctorate, Manyetik Alınganlık Ölçümleri ile Bizmut Tabanlı Seramik Süperiletkenlerin Karakterizasyonu, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, Bi-2223 Süperiletkenlere Li Katkisi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2007

### Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Associate Professor, Dokuz Eylul University, Fen Fakültesi, Fizik Bölümü, 2014 - Continues

### Courses

Introduction to Superconductivity, Undergraduate, 2023 - 2024

FİZİK II, Undergraduate, 2023 - 2024, 2022 - 2023

FİZİK I, Undergraduate, 2023 - 2024, 2022 - 2023

PHYSICS FOR COMPUTER SCIENCE I, Undergraduate, 2022 - 2023

FİZİK I, Undergraduate, 2022 - 2023

- I. **Structural and Electrical Properties of Nanosized Sm<sub>2</sub>O<sub>3</sub> Doped Bi<sub>(1.6)</sub>Pb<sub>(0.4)</sub>Sr<sub>(2)</sub>Ca<sub>(2)</sub>Cu<sub>(3)</sub>O<sub>y</sub> Superconductors**  
BİLGİLİ Ö.  
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.204, no.5-6, pp.223-234, 2021 (SCI-Expanded)
- II. **Effects of Graphene Oxide Doping on Magnetic and Structural Properties of Bi<sub>1.6</sub>Pb<sub>0.4</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> Superconductor**  
BİLGİLİ Ö., YURDDAŞKAL M.  
JOURNAL OF ELECTRONIC MATERIALS, vol.50, no.8, pp.4999-5006, 2021 (SCI-Expanded)
- III. **The Effects of Mn Doping on the Structural and Optical Properties of ZnO**  
BİLGİLİ Ö.  
ACTA PHYSICA POLONICA A, vol.136, no.3, pp.460-466, 2019 (SCI-Expanded)
- IV. **Investigation of effects of MgO nanoparticles addition on the superconducting properties of Bi-2223 superconductors**  
Corduk T., BİLGİLİ Ö., KOCABAŞ K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.19, pp.14689-14695, 2017 (SCI-Expanded)
- V. **The influence of Ag substitution on structural and mechanical properties of (Bi, Pb)-2223 ceramics**  
Cevizci B., BİLGİLİ Ö., KOCABAŞ K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.12, pp.13171-13178, 2016 (SCI-Expanded)
- VI. **Effects of superconducting parameters of SnO<sub>2</sub> nanoparticles addition on (Bi, Pb)-2223 phase**  
Yavuz S., BİLGİLİ Ö., KOCABAŞ K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.27, no.5, pp.4526-4533, 2016 (SCI-Expanded)
- VII. **Effects of Gd substitution on magnetic, structural and superconducting properties of Bi<sub>1.7-x</sub>Pb<sub>0.3</sub>Gd<sub>x</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub>**  
BİLGİLİ Ö., KOCABAŞ K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.3, pp.1700-1708, 2015 (SCI-Expanded)
- VIII. **Effect of Nb addition on magnetic, structural and superconducting properties of (Bi, Pb)-2223 superconductors**  
BİLGİLİ Ö., KOCABAŞ K.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.2889-2897, 2014 (SCI-Expanded)
- IX. **The Effects of Mg Substitution in Bi-2223 Superconductors**  
KOCABAŞ K., Ozkan O., BİLGİLİ Ö., Kadioglu Y., YILMAZ H.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.23, no.8, pp.1485-1492, 2010 (SCI-Expanded)
- X. **Effect of Compaction Pressure on Structural and Superconducting Properties of Bi-2223 Superconductors**  
KOCABAŞ K., GÖKÇE M., Ciftcioglu M., BİLGİLİ Ö.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.23, no.3, pp.397-410, 2010 (SCI-Expanded)
- XI. **The Effect of Zn Substitution of Ca in BiPbSrCaCuO Superconductors Sintered at 830 degrees C**  
KOCABAŞ K., ŞAKİROĞLU S., Ciftcioglu M., Ercan I., EPİK H., BİLGİLİ Ö.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.22, no.8, pp.749-754, 2009 (SCI-Expanded)
- XII. **The Effect of Sintering Temperature in Bi<sub>1.7</sub>Pb<sub>0.2</sub>Sb<sub>0.1</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> Superconductors**  
KOCABAŞ K., BİLGİLİ Ö., Yasar N.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.22, no.7, pp.643-650, 2009 (SCI-Expanded)
- XIII. **Effects of Li Substitution in Bi-2223 Superconductors**  
BİLGİLİ Ö., Selamet Y., KOCABAŞ K.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.21, no.8, pp.439-449, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The structural and optical properties of Al and Mg doped ZnO synthesized by solid state reaction method**  
Bilgili Ö.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.1, pp.50-64, 2021 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **The effects of pelletization pressure and re-pelletization on the structural and magnetic properties of (Bi, Pb)-2223 superconductors**  
Bilgili Ö.  
7. Uluslararası Bilimsel Çalışmalar Kongresi (UBCAK), Turkey, 22 November 2021
- II. **The investigation of Mn substitution for MgB<sub>2</sub> samples**  
Durmuş H., BİLGİLİ Ö., Kocabaş K.  
Turkish Physical Society 37th International Physics Congress – TPS33, Bodrum, Turkey, 01 September 2021, pp.158
- III. **Investigation of Magnetic and Mechanical Properties of Nano Y<sub>2</sub>O<sub>3</sub> Doped Bismuth Based Superconducting Materials**  
CEVİZCİ E. B., KOCABAŞ K., BİLGİLİ Ö.  
Turkish Physical Society 37th International Physics Congress, Turkey, 1 - 05 September 2021
- IV. **The Effect of Nanoscale Al Doping on Microstructural and Superconducting Properties of MgB<sub>2</sub> Samples**  
DURMUŞ H., BİLGİLİ Ö., KOCABAŞ K.  
Turkish Physical Society 36th International Physics Congress, Turkey, 1 - 05 September 2020
- V. **Investigation of the effect of Mn on superconducting properties of MgB<sub>2</sub> samples by AC magnetic susceptibility and determination of real hardness value by using Vickers microhardness**  
Durmuş H., Kocabaş K., Bilgili Ö.  
5th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2018), Antalya, Turkey, 12 October 2018
- VI. **The Effect of Zn on Microstructure And Mechanical Properties in MgB<sub>2</sub> Superconductors**  
DURMUŞ H., BİLGİLİ Ö., KOCABAŞ K.  
Turkish Physical Society 33rd International Physics Congress, Turkey, 6 - 10 September 2017
- VII. **Investigation of Effects of CuO Addition on Structural and Mechanical Properties of ZnO Semiconductors**  
KOCABAŞ K., MUTLU Y., BİLGİLİ Ö., OYLUMLUOĞLU G.  
Turkish Physical Society 33rd International Physics Congress, Turkey, 6 - 10 September 2017

## Supported Projects

Bilgili Ö., Kocabaş K., Project Supported by Higher Education Institutions, Y-123 SÜPERİLETKEN SERAMİKLERİN MANYETİK MEKANİK VE ELEKTRİKSEL ÖZELLİKLERİNİN İNCELENMESİ, 2014 - 2017

Bilgili Ö., Kocabaş K., Project Supported by Higher Education Institutions, MANYETİK ALINGANLIK ÖLÇÜMLERİ İLE BİZMUT TABANLI SERAMİK SÜPERİLETKENLERİN KARAKTERİZASYONU, 2007 - 2009

## Scientific Refereeing

DOKUZ EYLÜL ÜNİVERSİTESİ MÜHENDİSLİK FAKÜLTESİ FEN VE MÜHENDİSLİK DERGİSİ, National Scientific Refreed

Journal, July 2019

## **Metrics**

Publication: 21

Citation (WoS): 226

Citation (Scopus): 224

H-Index (WoS): 8

H-Index (Scopus): 8