

## Res. Asst. BEGÜM ÇINAR BAM

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri, Fizik Mühendisliği, Turkey 2017 - Continues

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliği, Turkey 2014 - 2017

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği, Turkey 2009 - 2014

### Dissertations

Postgraduate, NANOYAPILI İNCE FİLM ÖRNEKLERİN,GEÇİRMELİ VE YÜZEY TARAMALI X-IŞINI SAÇILMA YÖNTEMLERİ (SAXS-GISAXS) İLE İNCELENMESİ, Hacettepe Üniversitesi, Fizik Mühendisliği, Fizik Mühendisliği, 2017

### Research Areas

Physics, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Surfaces, Interfaces, Thin Films and Nanosystems, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Fizik Mühendisliği, Fizik Mühendisliği, 2014 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Structural analysis of hydrogenated nano-crystalline silicon suboxide ( $nc\text{-SiO}_x\text{:H}$ ,  $x < 1$ ) thin films with SAXS for a potential application as phase change material**  
Bam B., Rüzgar K., Bacioğlu A., İde S.  
SURFACE & COATINGS TECHNOLOGY, vol.374, pp.164-170, 2019 (Journal Indexed in SCI)
- II. **GISAXS analysis of Ge nanoparticles embedded ZnO thin films: The effect of oxygen partial pressure and thermal process on the nanostructured aggregations**  
BAM B., İDE S., KEILBACH A., CEYLAN A.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.71, pp.145-150, 2017 (Journal Indexed in SCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Grazing Incidence Small Angle X- ray Scattering (GISAXS) Analysis on Nanostructured Thin Films Synthesized for Optoelectronic Applications**

Çınar Bam B., İDE S., KEİLBACH A., CEYLAN A., BACIOĞLU A., DEMİREL G.  
Turcmos2017, Bodrum, Turkey, 26 - 29 August 2017

## **Supported Projects**

İDE S., Bayırlı A., Khankeshizadeh S., ÇINAR B., Orujalipoor I., Project Supported by Higher Education Institutions, Endüstriyel Malzemelerin Nanoskopik Analizleri İçin Araştırma ve Eğitim Faaliyetleri, 2015 - 2016

İDE S., ŞEN E. H. ( . , ÇINAR B., KOŞARSOY G., AKSÖZ N., ORUJALIPOOR KALKHORAN I., Project Supported by Higher Education Institutions, Fizikokimyasal özellikleri olan yeni tasarım polimer-metal temelli malzemelerin yapısal değişimlerinin ve biyoaktivitelerinin araştırılması, 2015 - 2016

## **Edit Congress and Symposium Activities**

TURCMOS2017- III. International Turkish Congress on Molecular Spectroscopy, Attendee, Muğla, Turkey, 2017

22. Yoğun Madde Fiziği Ankara Toplantısı, Attendee, Ankara, Turkey, 2016

Nanoscope Analyses on Industrial Materials, Attendee, Denizli, Turkey, 2015

TURCMOS2015- II. International Turkish Congress on Molecular Spectroscopy, Attendee, Antalya, Turkey, 2015

EUPAT7- Seventh pan- European QbD & PAT Science Conference, Attendee, Graz, Austria, 2015

TUCr2014, Attendee, Diyarbakır, Turkey, 2014