

## Lect. MAHMUT BUCURGAT

### Personal Information

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### Education Information

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1998 - 2008

Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1995 - 1998

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1990 - 1994

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Study of One Dimensional Position Dependent Effective Mass Problem in Some Quantum Mechanical Systems, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 2008

Postgraduate, Photoconductivity and Thermally Stimulated Conductivity in Thallium Indium Sulphide Crystal, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 1998

### Research Areas

Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Lecturer, Gazi University, Fen Fakültesi, Fizik Bölümü, 2018 - Continues

Expert, Gazi University, Fen Fakültesi, Fizik Bölümü, 2013 - 2018

Expert, Gazi University, Tıp Fakültesi, Dahili Tıp Bilimleri Bölümü, 2008 - 2013

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, 1995 - 2003

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

#### I. Photocurrent analysis of AgIn5S8 crystal

BUCURGAT M., Ozdemir S., Firat T.

BULLETIN OF MATERIALS SCIENCE, vol.39, no.6, pp.1521-1529, 2016 (Journal Indexed in SCI)

#### II. Characteristics of traps in AgIn5S8 single crystals

Ozdemir S., BUCURGAT M., Firat T.

JOURNAL OF ALLOYS AND COMPOUNDS, vol.611, pp.7-10, 2014 (Journal Indexed in SCI)

- III. **Photoelectrical properties of TlGaSe<sub>2</sub> single crystals**  
Ozdemir S., BUCURGAT M.  
SOLID STATE SCIENCES, vol.33, pp.25-31, 2014 (Journal Indexed in SCI)
- IV. **Characteristics of traps in TlInS<sub>2</sub> single crystals**  
Ozdemir S., BUCURGAT M.  
CURRENT APPLIED PHYSICS, vol.13, no.9, pp.1948-1952, 2013 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Voltage Dependent Barrier Height, Ideality Factor and Surface States in Au/(NiS-PVP)/n-Si (MPS) type Schottky Barrier Diodes**  
BUCURGAT M.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2020 (Other Refereed National Journals)
- II. **Effect of Illumination Temperature on Thermally Stimulated Current Spectrum of TlInS<sub>2</sub>**  
ÖZDEMİR S., SÜLEYMANLI R., BUCURGAT M., BULUR E.  
TURKISH JOURNAL OF PHYSICS, vol.23, no.6, pp.1013-1020, 1999 (Other Refereed National Journals)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Kliniğimizde CLINAC DHX Cihazında Tedavi Gören Tüm Hastalarımızın Günlük Tedaviye Giriş ve Çıkış Sürelerinin Değerlendirilmesi**  
İLİ M., SERKAN B., AKMANSU M., KARAHACIOĞLU E., BUCURGAT M.  
X. Ulusal Radyasyon Onkolojisi Kongresi, Antalya, Turkey, 19 - 23 April 2012
- II. **Dose Compensation by Using 3 Dimensional Dose Distribution in Total Body Irradiation and Verification by MOSFET Detectors**  
SÖNMEZ A., BUCURGAT M., ÇATLI DİNÇ S., KURUGÖL C., DEMİRCİ T., BORA H., AKMANSU M., PAK Y.  
VII. Ulusal Radyasyon Onkolojisi Kongresi, Fethiye/Muğla, Turkey, 19 - 23 April 2006
- III. **Tüm Beden Işınlamasında Demet Saçıcının Cilt Dozu ve Build-up Bölgesine Etkisi**  
ÇATLI DİNÇ S., SÖNMEZ A., BUCURGAT M., GÖKSEL F., AKMANSU M., PAK Y.  
VII. Ulusal Radyasyon Onkolojisi Kongresi, Turkey, 19 - 23 April 2006
- IV. **The Effect of Beam Spoiler to Skin Dose and Build up Region in Total Body Irradiation**  
ÇATLI DİNÇ S., SÖNMEZ A., BUCURGAT M., GÖKSEL F., AKMANSU M., PAK Y.  
VII. Ulusal Radyasyon Onkolojisi Kongresi, Fethiye/Muğla, Turkey, 19 - 23 April 2006
- V. **Tüm Vücut Işınlamasında Üç Boyutlu Doz Dağılımları Kullanılarak Doz Kompansasyonu ve Mosfet Dedektörlerle Verifikasyonu**  
SÖNMEZ A., BUCURGAT M., ÇATLI DİNÇ S., HANÇER C., DEMİRCİ T., BORA H., AKMANSU M., PAK Y.  
VII. Ulusal Radyasyon Onkolojisi Kongresi, Turkey, 19 - 23 April 2006
- VI. **ELF and RF Alan Kaynağı Olarak Bebek Monitörlerinin İncelenmesi**  
CANSEVEN KURŞUN A. G. , BUCURGAT M., SEYHAN H. N.  
XVI. Ulusal Biyofizik Kongresi, Ankara, Turkey, 19 - 22 September 2004
- VII. **Temperature Dependent Photoconductivity Properties of TlInS<sub>2</sub> Crystal**  
ÖZDEMİR S., BUCURGAT M.  
VII. Condensed Matter Physics Seminars METU, Ankara, Turkey, 01 December 1998
- VIII. **Effect of Sensitizing Centers on Thermally Stimulated Conductivity Characteristics of TlInS<sub>2</sub>**  
ÖZDEMİR S., BUCURGAT M.  
VI. Condensed Matter Physics Seminars, Ankara, Turkey, 1 - 03 December 1997

### Citations

Total Citations (WOS):25

h-index (WOS):2