

## ÖZGEÇMİŞ VE ESERLER LİSTESİ



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### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1. Yüksek Lisans Tezleri

1. **Elif PESEN**, Farklı Yönelimlerde Büyütülmüş GaAsBi Yarıiletken Alaşımların Yapısal ve Optik Özelliklerinin İncelenmesi. Tamamlandı.
2. **Gülcan SÖM**, III-V-Bi yarıiletkenlerin band yapılarının belirlenmesi (Devam ediyor)
3. **Ongün Ükelge**, Bi içeren III-V yapıların optoelektronik aygıt tasarımında kullanılması(Devam ediyor)
4. **Yakup Emre TANRIKULU**, Bi ve N içeren yarıiletken kuantum kuyulu yapıların fotovoltaik ve spintronik uygulamalarda kullanım potansiyelinin incelenmesi. (Devam ediyor)

## 7. Yayınlar

### 7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI & SSCI & Arts and Humanities)

1. M. Gunes, M. Akyol, A. Ekicibil, E. Tiras, 2017, Thermally Activated Flux Mechanism in Mg-doped InN Epitaxial Film, Philosophical Magazine, Kabul edildi.
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6. M.Gunes, C.Gumus, Y. Galvão Gobato & M. Henini, 2017, Structural and Optical properties of Diluted Magnetic GaMnAs/AlAs Quantum Wells Grown on High Index GaAs Planes (Kabul edildi), Bulletin of Materials Science (BOMS)
7. C. Ulutas, O. Erken, M. Gunes, C. Gumus, 2016, Effect of annealing temperature on the physical properties of Mn<sub>3</sub>O<sub>4</sub> thin film prepared by chemical bath deposition , Int. J. Electrochem. Sci, 11, 2835 -2845, 10.20964/110402835.
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## 7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

1. C.Ulutas, M.Güneş, C.Gümüş, 2016, THE EFFECT OF ANNEALING TEMPERATURE ON STRUCTURAL AND OPTICAL PROPERTIES OF GAMMA-MnS THIN FILM IN NITROGEN ATMOSPHERE, TFD32
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10. Selda Kılıç Çetin, Ahmet Ekicibil, Mustafa Güneş, Mehmet Aceb, 2015, Comparison of Magnetocaloric Effect in  $(\text{La}_{0.7}\text{Sm}_{0.3})_{0.67}\text{Pb}_{0.37}\text{MnO}_3$  from Direct and Indirect Measurements. , 9th International Conference on Magnetic and Superconducting Materials (MSM15), 1, 1, 1
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## 7.5. Ulusal hakemli dergilerde yayınlanan makaleler

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#### **7.6. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler**

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### **8. Projeler**

#### **8.1. TÜBİTAK**

1. n ve p-tipi Modülasyon katkılı Ga<sub>1-x</sub>In<sub>x</sub>N<sub>y</sub>As<sub>1-y</sub> Kuantum Kuyusu Yapılarının Optik Özellikleri ve Elektronik Transport Mekanizmalarının İncelenmesi-Tübitak-1001, 110T874 (**Araştırmacı**) , 2009-2012 (ARDEB).
2. Farklı yönelimlerde büyütülmüş GaAsBi yarıiletken alaşımların yapısal ve optik özelliklerinin incelenmesi. Tübitak 114F294.(**Yürütücü**, TÜBİTAK-3001) , 2014-2016 (ARDEB)
3. Moleküler ışın epitaksi (MBE) ile büyütülmüş III-V/Bi yarıiletken nanoyapıların optoelektronik uygulamalarda kullanım potansiyelinin araştırılması.(**Yürütücü**, TÜBİTAK-3501 Kariyer) , 2015-2018 (ARDEB)
4. Yenilik ve Girişimcilik Alanlarında Kapasite Arttırılmasına Yönelik Mentor Eğitimleri MENTORSEA (**Yürütücü**, Tübitak 1601) , 2015-2016 (TEYDEB)
5. Bireysel Genç Girişimci – Sabancı İnovent, Ege Üniversitesi ideEGE-TGB, Adana ÜSAM) Programı, **Paydaş kurum yöneticisi**, Tübitak 1512, 2015-2018 (TEYDEB)

#### **8.2. BAKANLIKLAR**

1. İstanbul Üniversitesi, İleri Litografik Yöntemler Laboratuvarı-DPT 2000K (**Proje Uzmanı**) , 2010-2012, Devlet Planlama Teşkilatı
2. Adana Bilim ve Teknoloji Üniversitesi, İleri Teknolojiler Merkezi Ar-Ge Laboratuvarları (İLTEM), **Araştırmacı**, Kalkınma Bakanlığı, 2014-2018.

#### **8.3.ULUSLARARASI**

1. Novel Gain Materials and Devices Based on III-V-N Compounds, MP0805 Cost Action (Avrupa Birliği) (**Araştırmacı**) ,2010- 2013

#### **8.4. BAP (ÜNİVERSİTE)**

1. Polimer Matriksli Bor İçeren Kompozitlerin Yanmazlık Özelliğinin İncelenmesi, , Adana BTÜ, (**Yürütücü**) , 2016-Devam ediyor.



2. Farklı yönelimlerde büyütülmüş Bizmut (Bi) İçeren GaAs Tabanlı Malzemelerin Optik Özelliklerinin İncelenmesi, Adana BTÜ, (**Yürütücü**) , 2014-2015.
3. Mn Katkılı GaAs Tabanlı Kuantum Kuyulu Malzeme Sistemlerinin Yapısal ve Optik Özelliklerinin İncelenmesi,(**Araştırmacı**), 2014-2015.
4. Manyeto-fotoluminesans, Shubnikov de-Haas, ve Raman Ölçümlerinden III-V-N Yapılardaki Taşıyıcıların Etkin Kütle Tayini-Anadolu Üniversitesi (**Araştırmacı**), 2010-2011.

## 9. İdari Görevler

- 2013- ,ABTÜ, Malzeme Müh. Bölüm Başkanı  
 2013- ,ABTÜ, Ar-Ge ve Teknoloji Ofisi Birim Sorumlusu.  
 2013- ,ABTÜ Erasmus Bölüm Koordinatörü  
 2013- 2016,ABTÜ Bilimsel Araştırmalar Projeler Komisyon Üyesi  
 2014- ,Enerji Verimliliği Derneği, Adana Şubesi Genel Sekreteri  
 2016- ,Adana Üniversite-Sanayi Araştırma Merkezi (ÜSAM) Genel Koordinatörü  
 2016- BAP Koordinatörü

## 11. Ödüller

1. Dokuz Eylül Üniversitesi, Fizik Bölüm Üçüncülüğü (2004)
2. Yurt dışı doktora bursu (2010)

## 12. Verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Ders	Dil	Lisans – Lisansüstü – Doktora	Yılı
Fizik I	(İng.)	Lisans	2014-2017
Fizik II	(İng)	Lisans	2014-2017
Malzeme Müh.Giriş	(İng)	Lisans	2016
Malzemelerin Fiziksel Özellikleri	(İng)	Lisans	2016
İş Sağlığı ve Güvenliğinde İstatistik	Tezsiz (Türkçe)	Lisansüstü	2014
Metal Sektöründe İş Sağlığı ve Güvenliği	Tezsiz (Türkçe)	Lisansüstü	2015
Mikro ve Nano Ölçekte Karakterizasyon	Tezli (İngilizce)	Lisansüstü	2013-2015
Nanomalzemeler	Tezli (İngilizce)	Lisansüstü	2015
Nanobilim ve nanoteknolojiye giriş	Tezli	Lisansüstü	2014-2017

	(İngilizce)		
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