

# AYŞE EVRİM BULGURCUOĞLU

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### Ögrenim Bilgisi

Doktora  
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Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye

Yüksek Lisans  
2005 - 2008

Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye

Lisans  
2001 - 2005

Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye

### Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr.  
2007 - Devam Ediyor

Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

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  7. **Polypropylene/basalt thick film composites: structural, mechanical and dielectric properties**  
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  8. **Anomalous Capacitance Behavior of Sol-Gel Deposited V2O5 Film on Crystalline Silicon**  
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  9. **The impact of NiPc additive and laser light dielectric properties of E63 nematic liquid crystal**  
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  13. **Electrical and photovoltaic properties of Cr/Si Schottky diodes**  
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#### Diger Dergilerde Yayınlanan Makaleler

1. **Conduction Mechanism Analysis of Inversion Current in MOS Tunnel Diodes**  
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#### Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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4. **Enhance of The Radiation Shielding Performance of Concrete with Kufeki Stone Additive**  
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5. **Structural And Dielectric Properties Of Polypropylene Volcanic Basalt Rock Thick Film Composites**  
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12. **"Investigation of Sol-Gel Deposited ZnO on c-Si By Admittance Measurement As SIS Structure**  
BULGURCUOĞLU A. E., Atalay A. Y., KAVAK P., ÖZDEMİR O., KUTLU K.  
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14. **Dielectric Strength of WO<sub>3</sub> Thin Films By Admittance and Ellipsometry Measurements**  
ÖZDEMİR O., CHOI F. P., BULGURCUOĞLU A. E., KUTLU K.  
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15. **Structural, Optical and Electrochromic Properties of Cerium Dioxide Thin Films Prepared By Sol Gel Dip Coating Method**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Kutlu K., Keskin B.  
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16. **Effect of Erbium Doping on Sol-Gel Synthesized Vanadium Pentoxide and Titanium Dioxide Thin**

## Films

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17. **Carrier Transport Property of Organic Light Emitting Diode (OLED) Through Admittance Spectroscopy**  
KAVAK P., BULGURCUOĞLU A. E., TEKİN E., GÖKDEMİR F. P., CAN N., ÖZDEMİR O., MENDA U. D., KUTLU K.  
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18. **Simulation Study of Charge Transport in PCDTBT:PCBM Organic Solar Cell**  
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19. **Current-Voltage Analysis of PCBM:PCDTBT Blend To Find Out Charge Transport Path**  
Gökdemir F. P., Özdemir O., Kutlu K., Menda U. D., Kavak P., Bulgurcuoğlu A. E.  
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20. **Current-Voltage Analysis of PCBM:PCDTBT Blend To Find Out Charge Transport Path**  
Saatci A. E., KAVAK P., PARLAK E. A., GOKDEMİR F. P., MENDA U. D., ÖZDEMİR O., Kutlu K.  
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21. **Electroluminescence property of organic light emitting diode (OLED)**  
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22. **Ionic Conduction in Different Hydrated V2O5 Film**  
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23. **Electrical properties of CrSi2/n-cryst. Si Heterojunction**  
BULGURCUOĞLU A. E., TATAR B., CHOI F. P., KUTLU K., ÖZDEMİR O., KAVAK P., MENDA U. D.  
5. Ulusal Nanobilim ve Nanoteknoloji Konferansı, Eskişehir, Türkiye, 08 Haziran 2009, ss.84
24. **Electrical features of Au/-FeSi2/N-Si heterojunction through J-V-T Measurements**  
ÖZDEMİR O., TATAR B., YILMAZER D., GOKDEMİR F. P., AYDOGAN P., BULGURCUOĞLU A. E., KUTLU K.  
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25. **Electrical properties of Cr/Si Schottky Diodes Through I-V-T Measurement**  
BULGURCUOĞLU A. E., TATAR B., ÖZDEMİR O., KUTLU K.  
25th International Physics Congress, Muğla, Türkiye, 25 Ağustos 2008, ss.375
26. **Electrical Features of Au/-FeSi2/n-Si Heterojunction Through J-V-T Measurement**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Tatar B., Kutlu K., Menda U. D.  
25 th International Conference of The Turkish Physical Society, Muğla, Türkiye, 25 - 29 Ağustos 2008
27. **Cr/Si Schottky kontaktların Fotovoltaik Özelliklerin İncelenmesi**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Kutlu K., Tatar B., Menda U. D.  
II.Uluslararası Güneş ve Hidrojen Enerjisi Kongresi, Eskişehir, Türkiye, 13 Haziran 2008
28. **Cr/Si Schottky Kontaktlarının Fotovoltaik Özelliklerinin İncelenmesi**  
BULGURCUOĞLU A. E., TATAR B., CHOI F. P., KUTLU K., ÖZDEMİR O., MENDA U. D.  
II. Ulusal Güneş ve Hidrojen Enerjisi Kongresi, Eskişehir, Türkiye, 12 Haziran 2008, ss.22
29. **Determination of conduction mechanism in Cr/beta-FeSi2/n-Si heterojunction through I-V-T measurement**  
BULGURCUOĞLU A. E., TATAR B., CHOI F. P., KUTLU K., ÖZDEMİR O., KAVAK P., MENDA U. D.  
International Workshop on Advanced Materials and Devices for Photovoltaic Applications, Ankara, Türkiye, 20

Nisan 2008, ss.32

30. **Conduction Mechanism Analysis in beta-FeSi<sub>2</sub>/n-Si Heterojunction Through J-V-T Measurement**

Gökdemir F. P., Kutlu K., Tatar B., Özdemir O., Menda U. D., Bulgurcuoğlu A. E.

International Workshop on Advanced Materials and Devices for Photovoltaic Applications, Ankara, Türkiye, 20 - 22

Nisan 2008

## Metrikler

Yayın: 54

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Atıf (Scopus): 149

H-İndeks (WoS): 5

H-İndeks (Scopus): 7

## Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Elektronik yapı, arayüzeylerin, ince filmlerin ve düşük boyutlu yapıların elektrik özellikleri, Temel Bilimler

## Akademi Dışı Deneyim

Hobim Bilgi İşlem A.Ş.