

# AYŞE EVRİM BULGURCUOĞLU

## ARŞ. GÖR. DR.

E-posta : bulgurcu@yildiz.edu.tr

İş Telefonu : +90 212 383 4304

Adres : YTÜ Davutpaşa Kampüsü Fen-Edebiyat Fakültesi Fizik

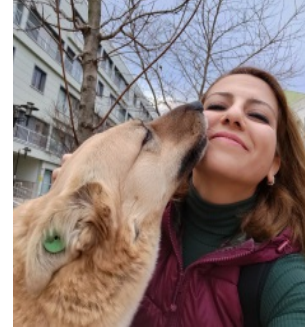
Bölümü E-1023 Esenler/İSTANBUL

Uluslararası Araştırmacı ID'leri

ORCID: 0000-0001-8373-9764

ScopusID: 25647484200

Yoksis Araştırmacı ID: 175126



### Öğrenim Bilgisi

Doktora

2009 - 2015

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

- Development of a switchable solvent liquid phase extraction method for the determination of chlorthiamid, ethyl parathion, penconazole and fludioxonil pesticides in well, tap and lake water samples by gas chromatography mass spectrometry**  
BULGURCUOĞLU A. E., Durak B. Y., Chormey D. S., BAKIRDERE S.  
MICROCHEMICAL JOURNAL, cilt.168, 2021 (SCI-Expanded)
- Simultaneous Determination of Harmful Aromatic Amine Products of Azo Dyes by Gas Chromatography-Mass Spectrometry**  
Chormey D. S., Zaman B. T., Maltepe E., Büyükpınar Ç., Bulgurcuoğlu A. E., Turak F., Erulaş F. A., Bakırdere S.  
JOURNAL OF ANALYTICAL CHEMISTRY, cilt.75, sa.10, ss.1330-1334, 2020 (SCI-Expanded)
- Structural analysis and dielectric relaxation mechanism of conducting polymer/volcanic basalt rock composites**  
Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Ozdemir Z., Erdonmez S., Misirlioglu B. S., Okutan M., İçelli O.  
Materials Science- Poland, 2019 (SCI-Expanded)
- Simultaneous determination of estrone and selected pesticides in water medium by GC-MS after multivariate optimization of microextraction strategy**  
BULGURCUOĞLU A. E., YILMAZ B., CHORMEY D. S., BAKIRDERE S.

- ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.190, sa.4, 2018 (SCI-Expanded)
5. **Effect of borax additive on the dielectric response of polypyrrole**  
Kılıç M., Karabul Y., Ozdemir Z., Erdonmez S., Bulgurcuoğlu A. E., Yeşilkaya S. S., Okutan M., İçelli O.  
Bulletin of Materials Science, cilt.41, sa.2, 2018 (SCI-Expanded)
  6. **Sodium Meta Silicate Doped PPy and PT Composites with Giant Dielectric Constant**  
Erdönmez S., Karabul Y., Bulgurcuoğlu A. E., Kılıç M., Ozdemir Z., İçelli O.  
IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, cilt.24, ss.3031-3037, 2017 (SCI-Expanded)
  7. **Polypropylene/basalt thick film composites: structural, mechanical and dielectric properties**  
Alkan U., Karabul Y., Bulgurcuoğlu A. E., Kılıç M., Ozdemir Z., İçelli O.  
E-POLYMERS, cilt.17, ss.417-425, 2017 (SCI-Expanded)
  8. **Anomalous Capacitance Behavior of Sol-Gel Deposited V2O5 Film on Crystalline Silicon**  
BULGURCUOĞLU A. E., GOKDEMİR F. P., ÖZDEMİR O., Kutlu K.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.12, sa.2, ss.146-151, 2017 (SCI-Expanded)
  9. **The impact of NiPc additive and laser light dielectric properties of E63 nematic liquid crystal**  
Kılıç M., Ozdemir Z., Canli N. Y., Bulgurcuoğlu A. E., Koysal O., Yılmaz O., Okutan M.  
FERROELECTRICS, cilt.505, ss.102-113, 2016 (SCI-Expanded)
  10. **Structural, optical and electrochromic properties of cerium dioxide thin films prepared by sol-gel dip coating method**  
GOKDEMİR F. P., Saatci A. E., ÖZDEMİR O., KESKİN B., Kutlu K.  
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.38, ss.300-305, 2015 (SCI-Expanded)
  11. **Structural Modification of Sol-Gel Synthesized V2O5 and TiO2 Thin Films with/without Erbium Doping**  
Gokdemir F. P., Saatci A. E., ÖZDEMİR O., Kutlu K.  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 2014 (SCI-Expanded)
  12. **Electrical Characterization of Sol-Gel Derived TiO2 Film on c-Si Substrate by Admittance Measurement**  
Saatci A. E., ÖZDEMİR O.  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 2014 (SCI-Expanded)
  13. **Electrical and photovoltaic properties of Cr/Si Schottky diodes**  
Tatar B., BULGURCUOĞLU A. E., Gokdemir P., Aydogan P., Yilmazer D., ÖZDEMİR O., Kutlu K.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.34, sa.12, ss.5208-5212, 2009 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

1. **Conduction Mechanism Analysis of Inversion Current in MOS Tunnel Diodes**  
Saatci A. E., Özdemir O., Kutlu K.  
Materials Sciences and Applications, cilt.4, ss.794-801, 2013 (Hakemli Dergi)
2. **Electroluminescence property of organic light emitting diode (OLED)**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Kutlu K., Menda U. D., Kavak P., Can N.  
AIP Conference Proceedings, cilt.1569, ss.364-371, 2013 (Scopus)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

1. **Electrochemical Activity of V2O5 Films of Different Current Densities By Electrodeposition Method**  
Aykara A., Bulgurcuoğlu A. E., Kavak P., İçelli O., Esmer K.  
Eight Bozok Science Workshop, Yozgat, Türkiye, 25 Temmuz 2019, ss.52
2. **Determination of Harmful Aromatic Amine Products after Azo Dyes Reductive Cleavage by Gas Chromatography Mass Spectrometry**  
Chormey D. S., Zaman B. T., Maltepe E., BÜYÜKPINAR Ç., BULGURCUOĞLU A. E., TURAK F., Erulaş F., BAKIRDERE S.

3. **Enhance of The Radiation Shielding Performance of Concrete with Kufeki Stone Additive**  
Bulgurcuoğlu A. E., Çağlar M., Karabul Y., Kılıç M., Güven Özdemir Z., İçelli O.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Türkiye, 11 Ekim 2017, ss.353
4. **Investigation of Shielding Properties: Sodium Silicate/Kufeki Glassy Structure**  
BULGURCUOĞLU A. E., KARABUL Y., KILIÇ M., ÇAĞLAR M., GÜVEN ÖZDEMİR Z., İÇELLİ O.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Türkiye, 11 Ekim 2017, ss.256
5. **Investigation of Shielding Properties: Sodium Silicate/Kufeki Glassy Structure**  
BULGURCUOĞLU A. E., KARABUL Y., KILIÇ M., ÇAĞLAR M., GÜVEN ÖZDEMİR Z., İÇELLİ O.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), 11 - 13 Ekim 2017, ss.256
6. **Structural And Dielectric Properties Of Polypropylene Volcanic Basalt Rock Thick Film Composites**  
KILIÇ M., KARABUL Y., BULGURCUOĞLU A. E., GÜVEN ÖZDEMİR Z., Alkan Ü., İÇELLİ O.  
International Engineering, Science and Education Conference, Diyarbakır, Türkiye, 01 Aralık 2016, ss.106
7. **A Comprehensive Study on Dielectric Mechanism of Conducting Polymers Sodium Silicate Composites**  
ERDÖNMEZ S., BULGURCUOĞLU A. E., KARABUL Y., KILIÇ M., GÜVEN ÖZDEMİR Z., OKUTAN M., ALTINDAL A.  
oem2016, 17 - 19 Mayıs 2016
8. **Dielectric Characterization of Conducting Polymers Borax Composites**  
KILIÇ M., KARABUL Y., ERDÖNMEZ S., BULGURCUOĞLU A. E., YAĞCI Ö., Alkan Ü., OKUTAN M., İÇELLİ O.  
oemt2016, 17 - 19 Mayıs 2016
9. **Impedance Properties of Conducting Polymers Basalt Composites Under Magnetic Field**  
Bulgurcuoğlu A. E., Erdönmez S., Karabul Y., Kılıç M., Yılmaz Canlı N., İçelli O., Okutan M.  
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Türkiye, 17 - 19 Mayıs 2016, ss.1-2
10. **Dielectric Characterization of Conducting Polymers/Borax Composites**  
Kılıç M., Karabul Y., Erdönmez S., Bulgurcuoğlu A. E., Yağci Ö., Alkan Ü., Okutan M., İçelli O.  
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Türkiye, 17 - 19 Mayıs 2016
11. **A Comprehensive Study on Dielectric Mechanism of Conducting Polymers/ Sodium Silicate Composites**  
Erdönmez S., Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Güven Özdemir Z., Okutan M., Altındal A.  
2nd International Conference on Organic Electronic Material Technologies OEMT 2016, Çanakkale, Türkiye, 17 - 19 Mayıs 2016, ss.123
12. **A Comprehensive Study on Dielectric Mechanism of Conducting Polymers Sodium Silicate Composites**  
Erdönmez S., Bulgurcuoğlu A. E., Karabul Y., Kılıç M., Güven Özdemir Z., Okutan M., Altındal A.  
2nd International Conference on Organic Electronic Material Technologies (OEMT-2016), Çanakkale, Türkiye, 17 - 19 Mayıs 2016
13. **"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.  
EMRS Spring Meeting 2015, Lille, Fransa, 11 Mayıs 2015, ss.54
14. **Investigation of Sol-Gel Deposited Vanadium Oxide By Capacitance/Voltage Measurement As SIS Structure**  
SAATCI A. E., GÖKDEMİR F. P., ÖZDEMİR O., KUTLU K.  
4th International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla Fethiye, Türkiye, 24 - 27 Nisan 2014
15. **Dielectric Strength of WO<sub>3</sub> Thin Films By Admittance and Ellipsometry Measurements**  
ÖZDEMİR O., GÖKDEMİR F. P., SAATCI A. E., KUTLU K.  
4th International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla Fethiye, Türkiye, 24 - 27 Nisan 2014
16. **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.

APMAS 2014, Muğla, Türkiye, 24 - 27 Nisan 2014

17. **Effect of Erbium Doping on Sol-Gel Synthesized Vanadium Pentoxide and Titanium Dioxide Thin Films**  
GOKDEMİR F. P., YUZBASIOĞLU E., Saatci A. E., ÖZDEMİR O., Kutlu K.  
3rd International Conference on Materials and Applications for Sensors and Transducers (IC-MAST), Prague, Çek Cumhuriyeti, 13 - 17 Eylül 2013, cilt.605, ss.400-403
18. **Electrical characterization of sol-gel derived TiO<sub>2</sub> Films on N/P c-Si substrates by admittance measurement**  
SAATCI A. E., GÖKDEMİR F. P., ÖZDEMİR O., KUTLU K.  
AMWC 2013: Advanced Materials World Congress, İzmir Çeşme, Türkiye, 16 - 19 Eylül 2013
19. **Carrier Transport Property of Organic Light Emitting Diode (OLED) Through Admittance Spectroscopy**  
KAVAK P., TEKİN E., SAATCI A. E., GÖKDEMİR F. P., MENDA U. D., CAN N., ÖZDEMİR O., KUTLU K.  
3rd International Advances in Applied Physics & Materials Science Congress, Antalya, Türkiye, 24 - 28 Nisan 2013
20. **Simulation Study of Charge Transport in PCDTBT: PCBM Organic Solar Cell**  
ÖZDEMİR O., SAATCI A. E., AYDOĞAN P., GÖKDEMİR F. P., MENDA U. D., KUTLU K.  
3rd International Advances in Applied Physics & Materials Science Congress, Antalya, Türkiye, 24 - 28 Nisan 2013
21. **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.  
3rd International Congress on Advances in Applied Physics and Materials Science, Antalya, Türkiye, 24 - 28 Nisan 2013, cilt.1569, ss.414-418
22. **Electroluminescence property of organic light emitting diode (OLED)**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Kutlu K., Can N., Kavak P.  
3rd International Advances in Applied Physics and Materials Science Congress, APMAS 2013, Antalya, Türkiye, 24 - 28 Nisan 2013, cilt.1569, ss.364-371
23. **Ionic Conduction in Different Hydrated V<sub>2</sub>O<sub>5</sub> Film**  
Saatci A. E., GOKDEMİR F. P., MENDA U. D., KAVAK P., ÖZDEMİR O., Kutlu K.  
2nd International Congress on Advances in Applied Physics and Materials Science (APMAS), Antalya, Türkiye, 26 - 29 Nisan 2012, cilt.1476, ss.289-295
24. **Electrical properties of CrSi<sub>2</sub>/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
25. **Electrical features of Au/ $\beta$ -FeSi<sub>2</sub>/N-Si heterojunction through J-V-T Measurements**  
ÖZDEMİR O., TATAR B., YILMAZER D., GOKDEMİR F. P., AYDOĞAN P., BULGURCUOĞLU A. E., KUTLU K.  
25th International Physics Congress, Muğla, Türkiye, 25 Ağustos 2008, ss.408
26. **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
27. **Electrical Features of Au/-FeSi<sub>2</sub>/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
28. **Cr/Si Schottky Kontakların 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. **Cr/Si Schottky kontakların Fotovoltaik Özelliklerin İncelenmesi**  
Gökdemir F. P., Özdemir O., Bulgurcuoğlu A. E., Kutlu K., Tatar B., Menda U. D.  
II.Ulusal Güneş ve Hidrojen Enerjisi Kongresi, Eskişehir, Türkiye, 13 Haziran 2008

30. **Determination of conduction mechanism in Cr/beta-FeSi<sub>2</sub>/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

31. **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

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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.