

AYŞE EVRİM BULGURCUOĞLU

RES. ASST. PHD

Email : bulgurcu@yildiz.edu.tr

Office Phone : [+90 212 383 4304](tel:+902123834304)

Address : YTÜ Davutpaşa Kampüsü Fen-Edebiyat Fakültesi

Fizik Bölümü E-1023 Esenler/İSTANBUL

International Researcher IDs

ORCID: 0000-0001-8373-9764

ScopusID: 25647484200

Yoksis Researcher ID: 175126



Learning Knowledge

Doctorate 2009 - 2015	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey
Postgraduate 2005 - 2008	Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Fizik, Turkey
Undergraduate 2001 - 2005	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics, Turkey

Academic Titles / Tasks

Research Assistant PhD 2007 - Continues	Yildiz Technical University, Faculty Of Arts & Science, Department Of Physics
--	---

Published journal articles indexed by SCI, SSCI, and AHCI

- 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, vol.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., Bakirdere S.
JOURNAL OF ANALYTICAL CHEMISTRY, vol.75, no.10, pp.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, vol.190, no.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, vol.41, no.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, vol.24, pp.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, vol.17, pp.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, vol.12, no.2, pp.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, vol.505, pp.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, vol.38, pp.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., Aydoğan P., Yilmazer D., ÖZDEMİR O., Kutlu K.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.12, pp.5208-5212, 2009 (SCI-Expanded)

Articles Published in Other Journals

1. **Conduction Mechanism Analysis of Inversion Current in MOS Tunnel Diodes**
Saatci A. E., Özdemir O., Kutlu K.
Materials Sciences and Applications, vol.4, pp.794-801, 2013 (Peer-Reviewed Journal)
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, vol.1569, pp.364-371, 2013 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

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, Turkey, 25 July 2019, pp.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. 8TH BLACK SEA BASIN CONFERENCE ON ANALYTICAL CHEMISTRY, İstanbul, Turkey, 09 May 2018, pp.176
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, Turkey, 11 October 2017, pp.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, Turkey, 11 October 2017, pp.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 October 2017, pp.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, Turkey, 01 December 2016, pp.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 May 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.
oem2016, 17 - 19 May 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, Turkey, 17 - 19 May 2016, pp.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, Turkey, 17 - 19 May 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, Turkey, 17 - 19 May 2016, pp.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, Turkey, 17 - 19 May 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, France, 11 May 2015, pp.54
 14. **Investigation of Sol-Gel Deposited Vanadium Oxide By Capacitance/Voltage Measurement As SIS Structure**
SAATÇI A. E., GÖKDEMİR F. P., ÖZDEMİR O., KUTLU K.
4th International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla Fethiye, Turkey, 24 - 27 April 2014
 15. **Dielectric Strength of WO₃ Thin Films By Admittance and Ellipsometry Measurements**
ÖZDEMİR O., GÖKDEMİR F. P., SAATÇI A. E., KUTLU K.
4th International Advances in Applied Physics and Materials Science Congress & Exhibition, Muğla Fethiye, Turkey, 24 - 27 April 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, Turkey, 24 - 27 April 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, Czech Republic, 13 - 17 September 2013, vol.605, pp.400-403
18. **Electrical characterization of sol-gel derived TiO₂ 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, Turkey, 16 - 19 September 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, Turkey, 24 - 28 April 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, Turkey, 24 - 28 April 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, Turkey, 24 - 28 April 2013, vol.1569, pp.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, Turkey, 24 - 28 April 2013, vol.1569, pp.364-371
23. **Ionic Conduction in Different Hydrated V₂O₅ 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, Turkey, 26 - 29 April 2012, vol.1476, pp.289-295
24. **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, Turkey, 08 June 2009, pp.84
25. **Electrical features of Au/ β -FeSi₂/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, Turkey, 25 August 2008, pp.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, Turkey, 25 August 2008, pp.375
27. **Electrical Features of Au/ β -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, Turkey, 25 - 29 August 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, Turkey, 12 June 2008, pp.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, Turkey, 13 June 2008

30. 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, Turkey, 20 April 2008, pp.32

31. Conduction Mechanism Analysis in beta-FeSi₂/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, Turkey, 20 - 22 April 2008

Metrics

Publication: 56

Citation (WoS): 106

Citation (Scopus): 154

H-Index (WoS): 5

H-Index (Scopus): 7

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Natural Sciences

Non Academic Experience

Hobim Bilgi İşlem A.Ş.