

## Asst. Prof. Deniz TÜRKÖZ ALTUĞ

### Personal Information

Email: denizturkoz@sdu.edu.tr

### Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey Continues  
Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik (YI), Turkey Continues  
Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Fizik, Turkey Continues

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Kuantum anti-tellerinde Rashba spin-orbital parçalanması, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik Abd, 2011  
Postgraduate, Hofmann Tipi Klatrathlarda Konuk-Konak İlişkisinin kırmızıaltı Spektroskopisi İle incelenmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 2004

### Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Suleyman Demirel University, Ispartasağlık Hizmetleri Myo, Tıbbi Hizmetler Ve Teknikler, 2018 - Continues  
Assistant Professor, Suleyman Demirel University, Ispartasağlık Hizmetleri Myo, Tıbbi Hizmetler Ve Teknikler, 2016 - 2018  
Expert, Suleyman Demirel University, Fen Edebiyat Fakültesi, Fizik, 2010 - 2016  
Research Assistant, Suleyman Demirel University, Fen Edebiyat Fakültesi, Fizik, 2002 - 2010

### Academic and Administrative Experience

Suleyman Demirel University, Eğirdir Sağlık Hizmetleri Myo, 2017 - Continues

### Courses

Kişilerarası İletişim, Associate Degree, 2019 - 2020  
Doğru Akım Devre Analizi, Associate Degree, 2017 - 2018  
Kişilerarası İletişim, Associate Degree, 2016 - 2017  
Fen Bilgisi Eğitiminde Laboratuvar Uygulamaları 2, Undergraduate, 2016 - 2017  
Biyomedikal Cihazlarda Elektromanyetik Uyumluluk, Associate Degree, 2017 - 2018  
Ameliyathane Cihazları, Associate Degree, 2017 - 2018  
Kuantum Mekaniği, Undergraduate, 2016 - 2017  
Kişilerarası İlişkiler, Associate Degree, 2017 - 2018  
Fizik, Associate Degree, 2016 - 2017  
Kimya, Associate Degree, 2016 - 2017  
Matematik, Associate Degree, 2016 - 2017  
Temel Fizik, Associate Degree, 2015 - 2016

## Jury Memberships

Academic Staff Examination, Ön Değerlendirme ve Giriş Sınavı, SDÜ, January, 2018

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

- I. **Eggshell as a biomaterial can have a sorption capability on its surface: A spectroscopic research**  
Kaya Kınaytürk N., Tunalı B., Türköz Altuğ D.  
Royal Society Open Science, vol.8, no.210100, pp.1-14, 2021 (Journal Indexed in SCI Expanded)
- II. **CHARACTERIZATION OF BIOMATERIAL KAMBO (PHYLLOMEDUSA BICOLOR) BY FOURIER TRANSFORM INFRARED SPECTROSCOPY AND SCANNING ELECTRON MICROSCOPE**  
Türköz Altuğ D.  
Fresenius Environmental Bulletin, vol.30, no.2, pp.1062-1066, 2021 (Journal Indexed in SCI Expanded)
- III. **THE USE OF PUMICE TO PREVENT PENETRATION OF CYPERMETHRIN INTO THE SOIL**  
Türköz Altuğ D., Kaya Kınaytürk N., Tunalı B.  
Fresenius Environmental Bulletin, vol.29, no.12, pp.11266-11272, 2020 (Journal Indexed in SCI Expanded)
- IV. **Attenuation gamma rays properties of cement paste-waste paper composites**  
KAÇAR A., TÜRKÖZ ALTUĞ D.  
Acta Physica Polonica A, vol.135, no.4, pp.607-608, 2019 (Journal Indexed in SCI)
- V. **Ballistic conductance in kane type semiconductor quantum wire**  
BABANLI A., BAHCELI S., ALTUG D. T.  
EUROPEAN PHYSICAL JOURNAL B, vol.73, no.1, pp.133-138, 2010 (Journal Indexed in SCI)
- VI. **FT-IR spectroscopic study of M(1,2-Ethanedithiol)Ni(CN)(4)center dot Benzene (M = Co,Cd) clathrates**  
Uygun U., Ozturk N., Cirak C., Turkoz D., Bahceli S.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.54, pp.187-192, 2006 (Journal Indexed in SCI)
- VII. **The energy spectrum of carriers between two concentric spheres of Kane-type semiconductors**  
BABAYEV A., ÇAKMAKTEPE S., Turkoz D.  
JOURNAL OF NANOMATERIALS, 2006 (Journal Indexed in SCI)
- VIII. **FT-IR spectroscopic study of Co(1-propanethiol)(2) Ni(CN)(4)center dot benzene clathrate**  
Turkoz D., KARTAL Z., BAHCELI S.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.59, pp.523-526, 2004 (Journal Indexed in SCI)
- IX. **An IR study of M(1-propanethiol)(2)Ni(CN)(4).G (M=Cd,Ni and G=benzene) clathrates**  
KARTAL Z., Turkoz D., BAHCELI S.

## Articles Published in Other Journals

- I. **Ceviz, Fındık ve Yerfıstığı Kabuklarını Kullanarak Sipermetrinin Çevreden Uzaklaştırılması**  
Türköz Altuğ D.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.10, no.2, pp.362-369, 2021 (National Refreed University Journal)
- II. **DISCRIMINATION OF DAEDALEOPSIS NITIDA MUSHROOMS THAT GROWING IN DIFFERENT ENVIRONMENTS USING FOURIER TRANSFORM INFRARED SPECTROSCOPY**  
TÜRKÖZ ALTUĞ D., ÇOLAK Ö. F.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.36, no.2, pp.577-582, 2018 (Journal Indexed in ESCI)
- III. **g Factor of Electrons in Kane Type Quantum Wells Under Crossed Electric and Magnetic Fields**  
BABANLI A., ALTUĞ D. T.  
SDU Journal of Science (E-Journal), vol.10, no.2, pp.55-60, 2015 (Other Refereed National Journals)
- IV. **Kane Tipi Kuantum Halkalarında Elektronların Etkin g-Çarpanı**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
SDU Journal of Science (E-Journal), 2014, 9 (2): 113-121, vol.9, no.2, pp.113-121, 2014 (Other Refereed National Journals)
- V. **Delta Tipi Engel Potansiyeli Olan Kane Tipi Yarıiletkenlerde Elektronların Etkin g Çarpanı**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
Süleyman Demirel Üniversitesi Journal of Science, vol.9, no.2, pp.132-136, 2014 (Other Refereed National Journals)
- VI. **Rashba spin-orbital splitting in quantum anti-wires**  
Türköz Altuğ D.  
JOURNAL OF OPTOELECTRONIC AND BIOMEDICAL MATERIALS, vol.1, no.2, pp.137-146, 2009 (Non-Refreed Journal)
- VII. **Kane tipi yarıiletken kuantum yapılarında Rashba spin orbital yarıılması**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
Aktualnie problemi fiziki, pp.78-80, 2008 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **CYPERMETHRİNİN ÇEVREDEN UZAKLAŞTIRILMASINDA KİRAZ ÇEKİRDEĞİ KABUĞUNUN ADSORBAN OLARAK KULLANIMI**  
Türköz Altuğ D.  
International Symposium of Scientific Research and Innovative Studies, Balıkesir, Turkey, 22 - 25 March 2021, pp.1806-1814
- II. **Career Anchors of Associate's Degree Education Students: The Case of Suleyman Demirel University**  
YILMAZ İNCE E., AKPINAR E., TÜRKÖZ ALTUĞ D.  
2nd International Vocational Science Symposium, 26 - 29 April 2018
- III. **The Effect of Calculus Course Sufficiency of the Vocational Students on Physics-based Courses**  
TÜRKÖZ ALTUĞ D., YILMAZ İNCE E., AKPINAR E.  
2nd International Vocational Science Symposium, 26 - 29 April 2018
- IV. **The Investigation of Opinion of The Opticianry Programs Students about Physics Based Courses**  
AKPINAR E., TÜRKÖZ ALTUĞ D., YILMAZ İNCE E.  
2nd International Vocational Science Symposium, 26 - 29 April 2018
- V. **GaAs TİPİ KUANTUM KUYULARINDA ELEKTRONLARIN ETKİN g ÇARPANI**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
ADIM FİZİK GÜNLERİ IV, Turkey, 28 - 29 May 2015

- VI. **Kane tipi kuantum halkalarında elektronların g faktörü**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
ADIM Fizik Günleri III, Turkey, 17 - 18 April 2014
- VII. **Delta Tipi Engel Potansiyeli Olan Kane Tipi Yarıiletkenlerde Elektronların Etkin g Çarpanı**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
ADIM Fizik Günleri Kongresi III, Turkey, 17 - 18 April 2014
- VIII. **M 1 2 ETHANEDİTHİOL Ni CN 4 BENZEN M Cd Co Klatratlarının FT IR Spektroskopisi ile İncelenmesi**  
TÜRKÖZ ALTUĞ D., ÖZTÜRK N., UYGUN Ü., SEMİHA B.  
Türk Fizik Kongresi Bodrum, 14 - 17 September 2004
- IX. **Kane tipi kuantum halkalarında elektronların enerji spektrumu**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
Turkish Physical Society, 30th International Physical Congress, 2 - 05 September 2013
- X. **Kane tipi küresel kuantum noktalarında elektronların enerji spektrumu**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
30th international physical congress, 2 - 05 September 2013
- XI. **Kane Tipi Yarıiletken Kuantum Tellerinde Balistik İletkenlik**  
BABANLI A., SEMİHA B., TÜRKÖZ ALTUĞ D.  
16. Yoğun Madde Fiziği Ankara Toplantısı, Turkey, 6 - 08 November 2009
- XII. **Keyn tipli yarıinçerici kvant silindirlerinde raşba spin orbital parçalanması**  
ARİF B., TÜRKÖZ ALTUĞ D.  
5. Uluslararası İlimi Konferansı, 25 - 27 June 2008
- XIII. **Rashba Spin-Orbital Splitting in Kane Type Quantum Anti-Wires**  
BABAYEV A. M., ÇAKMAKTEPE S., Altug D.  
International Conference on Superconductivity and Magnetism (ICSM), Side, Turkey, 25 - 29 August 2008, vol.153
- XIV. **Energy Spectrum of Electrons in Semiconductor Quantum Anti Wire With Rashba Spin Orbital Interaction**  
BABANLI A., ÇAKMAKTEPE Ş., TÜRKÖZ ALTUĞ D.  
4. Ulusal Nanobilim ve Nanoteknoloji Konferansı (NanoTr4), Turkey, 9 - 11 June 2008
- XV. **KEYN TIPLI YARIİLETKEN KUANTUM SİLİNDİRLERDE RAŞBA SPİNORBİTAL PARÇALANMASI**  
BABANLI A., TÜRKÖZ ALTUĞ D.  
AKTUALNİYE PROBLEMI FİZİKİ 2008 BAKU, 25 June 2008 - 27 June 2005
- XVI. **The energy spectrum of carriers in Kane type semiconductor Spherical Box**  
BABANLI A., Çakmaktepe Ş., TÜRKÖZ ALTUĞ D.  
NANO-TRI, Turkey, 25 - 27 May 2005

## Supported Projects

TÜRKÖZ ALTUĞ D., KALELİ M., Project Supported by Other Official Institutions, İnce Film Kaplama Tekniği ile Güneş Pili ve Nanoteknolojik Malzeme Üretim Laboratuvarının Kurulması, 2013 - 2014  
TUBİTAK Project, Kane tipi Yarıiletken Kuantum Anti-tellerinde Rashba Spin-Orbital Parçalanması, 2007 - 2008  
TÜRKÖZ ALTUĞ D., TUBİTAK Project, Zeolit vb. Gözenekli Sistemlere Adsorbe Edilen Gaz ve Sıvıların IR Spektroskopisi ile incelenmesi, 2002 - 2004

## Scientific Refereeing

Biological Trace Element Research, Journal Indexed in SCI-E, May 2020  
ENVIRONMENTAL ENGINEERING SCIENCE, Journal Indexed in SCI-E, April 2020  
TEKNİK BİLİMLER DERGİSİ, Other Journals, February 2020  
Sigma Journal of Engineering and Natural Sciences, SCI Journal, September 2018

## Edit Congress and Symposium Activities

- The Effect of Calculus Course Sufficiency of the Vocational Students on Physics-based Courses, Attendee, Turkey, 2018  
Attenuation Gamma Rays Properties of Cement Paste - waste Paper Composites, Attendee, Muğla, Turkey, 2018  
Career Anchors of Associate's Degree Education Students: The Case of Suleyman Demirel University, Attendee, Turkey, 2018  
The Investigation of Opinions of The Opticianry Programs Students about Physics Based Courses, Attendee, Antalya, Turkey, 2018  
GaAs TİPİ KUANTUM KUYULARINDA ELEKTRONLARIN ETKİN g-ÇARPANI, Attendee, Kütahya, Turkey, 2015  
Kane tipi kuantum halkalarında elektronların g faktörü,, Attendee, Isparta, Turkey, 2014  
Delta Tipi Engel Potansiyeli Olan Kane Tipi Yarıiletkenlerde Elektronların Etkin g-Çarpanı, Attendee, Isparta, Turkey, 2014  
Kane tipi küresel kuantum noktalarında elektronların enerji spektrumu, Attendee, İstanbul, Turkey, 2013  
"Kane tipi kuantum halkalarında elektronların enerji spektrumu, Attendee, İstanbul, Turkey, 2013  
Rashba Spin-Orbital Splitting in Kane Type Quantum Anti-Wires, Attendee, Antalya, Turkey, 2008  
ons in Semiconductor Quantum Anti-Wire With Rashba Spin-Orbital Interaction. 4. Ulusal Nanobilim ve Nan, Attendee, Turkey, 2008  
M(1,2 ETHANEDİTHİOL)Ni(CN)<sub>4</sub>.BENZEN (M=Cd, Co) Klatratlarının FT-IR Spektroskopisi ile İncelenmesi, Attendee, Muğla, Turkey, 2004

## Citations

Total Citations (WOS):16  
h-index (WOS):2