

## Lect. PhD ABDULLAH GÜVENDİ

### Personal Information

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### Education Information

Doctorate, Akdeniz University, Physics, Turkey 2016 - 2020

Postgraduate, Akdeniz University, Physics, Turkey 2013 - 2016

Undergraduate, Akdeniz University, Turkey 2009 - 2013

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Quantum Electrodynamics of multi-Dirac particles systems, Akdeniz University, Physics, 2020

Postgraduate, Quantum Electrodynamics of two-Dirac particles system in 2+1 dimensions, Akdeniz University, Physics, 2016

### Research Areas

Multivariate Complex Functions and Analytic Spaces, Differential Equations, Physics, Atomic and Molecular Physics, Interdisciplinary Physics and Related Science and Technology Areas, Basic Particles and Areas, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

### Academic Titles / Tasks

Lecturer, Kütahya Health Sciences University, Simav Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi hizmetler ve teknikler, 2020 - Continues

### Courses

Müzik, Associate Degree, 2020 - 2021

Radyasyon Güvenliği ve Radyasyondan Korunma, Associate Degree, 2020 - 2021

Biyomedikal Teknolojisi, Associate Degree, 2020 - 2021

Temel Laboratuvar Uygulamaları 2, Associate Degree, 2020 - 2021

Temel Fizik-1, Associate Degree, 2020 - 2021

Sosyo Kültürel Etkinlikler, Associate Degree, 2020 - 2021

Matematik, Associate Degree, 2020 - 2021

Tıbbi Görüntüleme Metotları-1, Associate Degree, 2020 - 2021

Müzik, Associate Degree, 2020 - 2021

Biyofizik, Associate Degree, 2020 - 2021

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

- I. **Superstatistical properties of a fermion-antifermion pair interacting via Dirac oscillator coupling in one-dimension**  
Güvendi A., Boumali A.  
European Physical Journal Plus, vol.132, pp.1-13, 2021 (Journal Indexed in SCI)
- II. **Erratum to: Vector boson oscillator in the spiral dislocation spacetime**  
Güvendi A., Zare S., Hassanabadi H.  
European Physical Journal A, vol.57, pp.1-2, 2021 (Journal Indexed in SCI)
- III. **Relativistic vector bosons with non-minimal coupling in the spinning cosmic string spacetime**  
Güvendi A., Hassanabadi H.  
Few-Body Systems, vol.62, pp.1-8, 2021 (Journal Indexed in SCI Expanded)
- IV. **Dynamics of a composite system in a point source-induced spacetime**  
Güvendi A.  
International Journal Of Modern Physics A, vol.36, pp.2150144, 2021 (Journal Indexed in SCI)
- V. **Vector boson oscillator in the spiral dislocation spacetime**  
Güvendi A., Zare S., Hassanabadi H.  
European Physical Journal A, vol.57, pp.1-6, 2021 (Journal Indexed in SCI)
- VI. **The lifetimes for each state of  $l=0$  levels of the para-positronium**  
GÜVENDİ A., Sucu Y.  
EUROPEAN PHYSICAL JOURNAL PLUS, vol.136, no.4, 2021 (Journal Indexed in SCI)
- VII. **Relativistic Dynamics of Oppositely Charged Two Fermions Interacting with External Uniform Magnetic Field**  
Güvendi A., Dogan S. G.  
Few-Body Systems, vol.62, 2021 (Journal Indexed in SCI Expanded)
- VIII. **Relativistic Landau levels for a fermion-antifermion pair interacting through Dirac oscillator interaction**  
GÜVENDİ A.  
EUROPEAN PHYSICAL JOURNAL C, vol.81, no.2, 2021 (Journal Indexed in SCI)
- IX. **Binding energy and decaytime of exciton in dielectric medium**  
GÜVENDİ A., Sahin R., Sucu Y.  
EUROPEAN PHYSICAL JOURNAL B, vol.94, no.1, 2021 (Journal Indexed in SCI)
- X. **An interacting fermion-antifermion pair in the spacetime background generated by static cosmic string**  
GÜVENDİ A., SUCU Y.  
PHYSICS LETTERS B, vol.811, 2020 (Journal Indexed in SCI)
- XI. **Exact solution of an exciton energy for a monolayer medium**  
Güvendi A., Şahin R., Sucu Y.  
SCIENTIFIC REPORTS, vol.9, 2019 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Effects of Rotating Frame on a Vector Boson Oscillator**  
Güvendi A.

Sakarya University Journal Of Science, vol.25, no.3, pp.847-853, 2021 (National Refreed University Journal)

- II. **The results of the first photonuclear reaction performed in Turkey: the zinc example**  
BOZTOSUN İ., ÖZMEN S. F. , ÇEÇEN Y., KARAKOÇ M., CESUR A., BAYRAM E., GÜVENDİ A., KAYA D.  
TURKISH JOURNAL OF PHYSICS, vol.38, pp.1-9, 2014 (Journal Indexed in ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Two fermions in the near horizon of BTZ black hole**  
Güvendi A.  
5th international istanbul scientific research congresses, İstanbul, Turkey, 14 - 15 August 2021, vol.1, pp.300-305
- II. **EXACT SOLUTION OF VECTOR BOSON EQUATION FOR COULOMB POTENTIAL IN 1+1 DIMENSIONS**  
Güvendi A.  
International "Başkent" Congress on Physcial, Social and Health Sciences, Ankara, Turkey, 16 - 17 July 2021, pp.95-99
- III. **NONINERTIAL EFFECTS ON A PAIR OF  $e - e +$**   
Güvendi A.  
LALE ORALOĞLU INTERNATIONAL CONGRESS ON CULTURE, ARTS AND MULTIDISCIPLINARY STUDIES, Ankara, Turkey, 21 - 23 May 2021, pp.506-515

## Citations

Total Citations (WOS):37

h-index (WOS):4

## Scholarships

Başbakanlık Bursu, Other Government Agencies, 2006 - 2008

## Awards

Güvendi A., Tubitak Yayın Teşvik Ödülü, Tubitak Yayın Teşvik Ödülü, March 2021

Güvendi A., Tubitak Yayın Teşvik Ödülü, Tubitak, November 2019

Güvendi A., Fakülte Onur Öğrenciliği, Akdeniz Üniversitesi Fen Fakültesi Dekanlığı, June 2013