

## Asst. Prof. OKTAY YILMAZ

### Personal Information

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**Address:** Fen Edebiyat Fakültesi, Fizik Bölümü, Terzioğlu Kampüsü, ÇANAKKALE

### International Researcher IDs

ORCID: 0000-0002-7325-2458

Yoksis Researcher ID: 11142

### Education Information

Doctorate, Ankara University, Fen Fakültesi, Fizik Mühendisliği, Turkey 1993 - 1999

Postgraduate, Ankara University, Fen Fakültesi, Fizik Mühendisliği, Turkey 1990 - 1993

Undergraduate, Ankara University, Fen Fakültesi, Fizik, Turkey 1985 - 1989

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Geometri-Topoloji Özel Araştırma Sömestresi, TÜBİTAK-Boğaziçi Üniversitesi, Feza Gürsey Enstitüsü, İstanbul, TÜRKİYE, 2000

Foreign Language, Enstitü Yabancı Diller Birimi, İngilizce Hazırlık Sınıfı, Ankara Üniversitesi, Fen Bilimleri Enstitüsü Müdürlüğü, 1989

### Dissertations

Doctorate, Foton-Proton Çarpıştırıcılarında Polarizasyon Olayları, Ankara University, Fen Fakültesi, Fizik Mühendisliği, 1999

Postgraduate, Kuantum Elektrodinamiğine Öz-Alan Yaklaşımında Işımasal Süreçler, Ankara University, Fen Fakültesi, Fizik Mühendisliği, 1993

### Research Areas

Mathematics, Differential Equations, Differential Geometry, Sequences, Series, Summability, General Mathematics, Statistics, Special Functions, Topological Groups, Lie Groups, Physics, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Optics, General Physics, Mathematical Methods in Physics, Relativity and Gravitation, Statistical physics, thermodynamic and nonlinear dynamic systems, Quantum Mechanics, Fields Theory and Relativity, Basic Particles and Areas, General Theory of Particles and Fields, Special reactions and phenomenology, Natural Sciences

## Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2018 - Continues  
Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2002 - 2018  
Research Assistant, Ankara University, Fen Fakültesi, Fizik Mühendisliği, 1990 - 2002

## Academic and Administrative Experience

Canakkale Onsekiz Mart University, Fen Fakültesi, Fizik, 2006 - 2008

## Courses

Genel Fizik II, Undergraduate, 2020 - 2021  
Genel Fizik II, Undergraduate, 2020 - 2021  
Genel Fizik I, Undergraduate, 2020 - 2021  
Fizik, Undergraduate, 2020 - 2021  
Fizik, Undergraduate, 2020 - 2021  
Optik Lab, Undergraduate, 2018 - 2019, 2017 - 2018  
Fizik II (Elek. & Mag), Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016  
FİZİK , Undergraduate, 2018 - 2019  
FİZİK I , Undergraduate, 2018 - 2019  
Parçacık Fiziği, Undergraduate, 2018 - 2019  
Particle Physics II, Undergraduate, 2018 - 2019  
History of Physics, Undergraduate, 2018 - 2019  
Genel Fizik II-A, Undergraduate, 2017 - 2018, 2016 - 2017  
Temel Yüksek Enerji Fiziği, Undergraduate, 2017 - 2018  
Genel Fizik B, Undergraduate, 2016 - 2017  
Genel Fizik I, Undergraduate, 2017 - 2018  
Genel Fizik Lab-B1, Undergraduate, 2016 - 2017  
Genel Fizik C, Undergraduate, 2016 - 2017  
Genel Fizik (Şube A), Undergraduate, 2016 - 2017, 2014 - 2015  
Genel Fizik II-B, Undergraduate, 2016 - 2017  
Fizik I-B, Undergraduate, 2016 - 2017  
Genel Fizik Lab-B2, Undergraduate, 2016 - 2017  
Genel Fizik I Lab-B, Undergraduate, 2016 - 2017  
İleri Parçacık Fiziği, Doctorate, 2016 - 2017  
Fizik, Undergraduate, 2017 - 2018, 2014 - 2015, 2013 - 2014  
Genel Fizik II Lab-A2, Undergraduate, 2016 - 2017  
Genel Fizik II Lab-A1, Undergraduate, 2016 - 2017  
Genel Fizik I-A, Undergraduate, 2016 - 2017  
Genel Fizik I Lab-A, Undergraduate, 2017 - 2018, 2016 - 2017  
Genel Fizik I, Undergraduate, 2017 - 2018  
Yüksek Lisans Tez Yönetimi, Postgraduate, 2015 - 2016  
Genel Fizik III lab.(A1,A2,B1,B2), Undergraduate, 2015 - 2016  
Fizik II, Undergraduate, 2015 - 2016  
Uzmanlık Alan Dersi, Postgraduate, 2015 - 2016  
Fizik, Undergraduate, 2015 - 2016  
Fizik II Laboratuvarı (Elektrik ve Magnetizma), Undergraduate, 2014 - 2015, 2013 - 2014  
Parçacık Fiziği ve Uygulamaları, Postgraduate, 2014 - 2015

Genel Fizik (Şube C), Undergraduate, 2014 - 2015  
Temel Fizik, Undergraduate, 2014 - 2015  
Yüksek Enerji Fiziği, Postgraduate, 2014 - 2015  
Genel Fizik (Şube B), Undergraduate, 2014 - 2015  
Fizik, Undergraduate, 2015 - 2016, 2014 - 2015  
Kuantum Alanlar Kuramı I, Postgraduate, 2014 - 2015  
Genel Fizik (Şube D), Undergraduate, 2014 - 2015  
Kuantum Alanlar Kuramı I, Postgraduate, 2014 - 2015  
Seminer Dersi, Postgraduate, 2014 - 2015  
Genel Fizik, Undergraduate, 2014 - 2015  
Parçacık Fiziği & Uyg., Postgraduate, 2014 - 2015  
Genel Fizik II, Undergraduate, 2013 - 2014  
Kuantum Mekaniği, Undergraduate, 2012 - 2013  
Fizik, Undergraduate, 2013 - 2014, 2012 - 2013  
Genel Fizik I, Undergraduate, 2013 - 2014  
Fizik I Laboratuvarı (Mekanik), Undergraduate, 2013 - 2014  
Fizik I, Undergraduate, 2012 - 2013  
Genel Fizik II, Undergraduate, 2012 - 2013  
Fizik, Undergraduate, 2013 - 2014  
Genel Fizik I, Undergraduate, 2012 - 2013  
Optik ve Dalgalar, Undergraduate, 2012 - 2013  
Genel Fizik I, Undergraduate, 2013 - 2014, 2012 - 2013

## Advising Theses

YILMAZ O., ELEKTROMAGNETİK POTANSİYELLER VE AHARONOV-BOHM OLAYI, Postgraduate, Ç.Misli(Student), 2016  
YILMAZ O., Yıldız Model Programlarının Son Teorik Opaklık Verileri ile ve Gözlemsel Kontrollerle Test Edilmesi, Doctorate, A.BÖKE(Student), 2008

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Scattering of a Charged Particle from a Hard Cylindrical Solenoid: Aharonov-Bohm Effect**  
Yilmaz O.  
CHINESE JOURNAL OF PHYSICS, vol.52, no.4, pp.1203-1217, 2014 (SCI-Expanded)
- II. **The role of stellar envelope convection in gravity-darkening and its relation to observational data**  
Inlek G., Boke A., Yilmaz O., Budding E.  
NEW ASTRONOMY, vol.12, no.5, pp.427-434, 2007 (SCI-Expanded)
- III. **Solution of Dirac equation for an electron moving in homogeneous magnetic field:effect of magnetic flux quantization**  
YILMAZ O.  
The old and new concepts of physics, vol.4, pp.147-156, 2006 (SCI-Expanded)
- IV. **Squark-chargino production in polarized gamma-proton collisions at TeV energy scale**  
Aydin Z., Yilmaz O.  
EUROPHYSICS LETTERS, vol.50, no.1, pp.22-27, 2000 (SCI-Expanded)
- V. **Polarized quark distributions from scattering of real gamma-beam on nuclear targets**  
Atag S., Aydin Z., Yilmaz O.  
EUROPHYSICS LETTERS, vol.36, no.5, pp.337-341, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Foucault's pendulum and motion of the oscillating plane**  
Yılmaz O., Misli Uçmaz Ç.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.1, pp.373-385, 2023 (Peer-Reviewed Journal)
- II. **Michelson-Morley Deneyi**  
Yılmaz O.  
Fizik Dünyası, vol.1, no.3, pp.1-8, 2020 (Peer-Reviewed Journal)
- III. **Yarı Klasik Düşünce ve Yaklaşım Yöntemleri**  
Misli Ç., Yılmaz O.  
Fizik Dünyası, vol.1, no.3, pp.1-27, 2020 (Peer-Reviewed Journal)
- IV. **Explanation of the hidden variables in the electron-positron annihilation process in terms of the quantum entanglement and the conservation of flux quantum**  
Sağlam M., Gür H., YILMAZ O.  
Journal of Modern Physics, vol.9, pp.985-996, 2018 (Peer-Reviewed Journal)
- V. **Pisagor'un Adalet Kupası**  
Yılmaz O., Misli Ç.  
Fizik Dünyası Dergisi, vol.1, pp.1-8, 2017 (Peer-Reviewed Journal)
- VI. **Üzümlü Kek Modeli**  
Misli Ç., Yılmaz O.  
Fizik Dünyası Dergisi, vol.1, no.3, pp.1-14, 2017 (Peer-Reviewed Journal)
- VII. **Foucault Sarkacı**  
Yılmaz O., Misli Ç.  
Fizik Eğitimi ve Felsefesi, vol.1, no.2, pp.50-63, 2016 (Peer-Reviewed Journal)
- VIII. **Aharonov-Bohm Olayı ve Monopol**  
Misli Ç., Yılmaz O.  
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.2, no.1, pp.1-21, 2016 (Peer-Reviewed Journal)
- IX. **Aristarchus Yöntemi ile Ay ve Güneş**  
Yılmaz O., Misli Ç.  
Fizik Dünyası Dergisi, vol.1, no.3, pp.1-8, 2016 (Peer-Reviewed Journal)
- X. **Ay Neden Yere Düşmüyor?**  
Yılmaz O., Misli Ç.  
Fizik Dünyası, vol.1, no.2, pp.1-8, 2015 (Peer-Reviewed Journal)
- XI. **Dünyanın Kütle Hesabı**  
Yılmaz O., Misli Ç.  
Fizik Dünyası, vol.1, no.2, pp.1-7, 2013 (Peer-Reviewed Journal)
- XII. **Towards determination of the laplace gravity parameter h**  
Budding E., YILMAZ O.  
Old and New Concepts of Physics, vol.6, no.4, pp.461-473, 2009 (Scopus)
- XIII. **Effects of Opacity on Stellar Radii and Their Relevance to Observational Data**  
Inlek G., Boeke A., YILMAZ O., Budding E.  
TURKISH JOURNAL OF PHYSICS, vol.32, no.2, pp.65-77, 2008 (ESCI)
- XIV. **SUSY Search in TeV Scale Polarized Photon-Proton Collisions**  
YILMAZ O.  
arXiv:hep-ph, pp.1-19, 2000 (Non Peer-Reviewed Journal)

## Metrics

Citation (WoS): 6

Citation (Scopus): 5

H-Index (WoS): 2

H-Index (Scopus): 1

## Scholarships

"Geometri-Topoloji Özel Arařtırma Sömostresi" TÜBİTAK- Boğaziçi Üniversitesi Feza Gürsey Enstitüsü, İstanbul, TÜRKİYE, TUBITAK, 2000 - Continues

TÜBİTAK Yurt içi-dışı bütünleştirilmiş doktora burs programı (BDP) çerçevesinde bilimsel arařtırmalar için İtalya'da Uluslararası Teorik Fizik (ICTP) Merkezinde çalışma imkanı, University, 1997 - Continues

## Non Academic Experience

Ankara Üniversitesi

TÜBİTAK-Boğaziçi Feza Gürsey Enstitüsü, İstanbul, TÜRKİYE

Ankara Üniversitesi

Uluslararası Teorik Fizik Merkezi, Trieste, İTALYA