

## Asst. Prof. Pelin OTANSEV

### Personal Information

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### Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Fizik/Nükleer Fizik Anabilimdalı, Turkey 1996 - 2002

Post Graduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Nükleer Fizik Anabilim Dalı, Turkey 1991 - 1994

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Nükleer İz Dedektörleri Kullanarak Yer Katmanlarında Uranyum Ve Toryum Belirlenmesi, İstanbul University, İ.Ü Fen Bilimleri Enstitüsü, Fizik/Nükleer Fizik Anabilimdalı, 2002

Post Graduate, Bir Gamma Spektrumunun Piklerinin Tanınmasını Otomatik Olarak Yapan Bilgisayar Programı, İstanbul University, İ.Ü Fen Bilimleri Enstitüsü, Fizik/Nükleer Fizik, 1994

### Research Areas

Statistics, Statistical Analysis and Applications, Physics, Nuclear physics, General Nuclear Reactions, Experimental Methods of Particle and Nuclear Physics, Radioactive decay and in-beam spectroscopy, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, İstanbul University, Faculty of Science, Department of Physics, 2018 - Continues

Assistant Professor, İstanbul University, Faculty of Science, Department of Physics, 2008 - 2018

### Courses

Bilgisayar I, Under Graduate, 2019 - 2020

Bilgisayar I, Under Graduate, 2019 - 2020

İleri Fizik Uygulamaları I, Under Graduate, 2018 - 2019, 2019 - 2020

Antropolojide Bilgi İşlem, Under Graduate, 2019 - 2020

Bilgisayar Uygulamaları, Under Graduate, 2018 - 2019

Matematik 1, Under Graduate, 2018 - 2019  
Bilgisayar Uygulamaları, Under Graduate, 2017 - 2018  
İleri Fizik Uygulamaları II, Under Graduate, 2018 - 2019  
Analiz I, Under Graduate, 2017 - 2018  
İleri Fizik Uygulamaları, Under Graduate, 2013 - 2014, 2015 - 2016, 2016 - 2017  
Modern Fiziğe Giriş, Under Graduate, 2016 - 2017  
Genel Fizik, Under Graduate, 2016 - 2017, 2017 - 2018  
Fizik 1, Under Graduate, 2012 - 2013, 2014 - 2015  
İleri Fizik Uygulamaları, Under Graduate, 2012 - 2013  
Fizik, Under Graduate, 2008 - 2009, 2010 - 2011, 2011 - 2012  
İleri Fizik Uygulamaları, Under Graduate, 2009 - 2010, 2010 - 2011, 2011 - 2012  
Fizik, Under Graduate, 2009 - 2010  
Fizik, Under Graduate, 2009 - 2010  
Fizik, Under Graduate, 2008 - 2009

## Advising Theses

OTANSEV P., NEVŞEHİR İLİNİN TOPRAK, SU ve TARIM ÜRÜNLERİNDE DOĞAL RADYOAKTİVİTENİN ve AĞIR METALLERİN BELİRLENMESİ, Doctorate, N.Bingöldağ(Student), 2017  
OTANSEV P., Kırıkkale'de Doğal Radyasyon Kaynaklarının Belirlenmesi ve Gamma Doz Oranlarının Değerlendirilmesi, Post Graduate, N.Albayrak(Student), 2011

## Jury Memberships

Doctorate, Doctorate, İstanbul Teknik Üniversitesi, December, 2017  
Post Graduate, Post Graduate, İstanbul Teknik Üniversitesi, June, 2017

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

- I. **Determination of uranium and thorium concentrations in sediment samples by using solid state nuclear track detectors**  
Otansev P., Erduran N.  
APPLIED RADIATION AND ISOTOPES, vol.172, 2021 (Journal Indexed in SCI)
- II. **Spatial distribution of natural and artificial radioactivity concentrations in soil samples and statistical approach, Nevsehir, Turkey**  
Bingoldag N., Otansev P.  
RADIOCHIMICA ACTA, vol.108, no.11, pp.913-921, 2020 (Journal Indexed in SCI)
- III. **Determination of natural radiation levels and lifetime cancer risk in Kirikkale, Turkey**  
Bingoldag N., Otansev P.  
RADIOCHIMICA ACTA, vol.106, no.5, pp.401-411, 2018 (Journal Indexed in SCI)
- IV. **Distribution and environmental impacts of heavy metals and radioactivity in sediment and seawater samples of the Marmara Sea**  
Otansev P., Taskin H., Bassari A., Varinlioglu A.  
CHEMOSPHERE, vol.154, pp.266-275, 2016 (Journal Indexed in SCI)
- V. **ASSESSMENT OF NATURAL RADIOACTIVITY CONCENTRATIONS AND GAMMA DOSE RATE LEVELS IN KAYSERI, TURKEY**  
Otansev P., Karahan G., Kam E., Barut I., Taşkın H.  
RADIATION PROTECTION DOSIMETRY, vol.148, no.2, pp.227-236, 2012 (Journal Indexed in SCI)

- VI. **Neutron Induced Gamma-Ray Spectroscopic And X-Ray Fluorescence Investigations Of Britholite Veins Of Basoren Village (Turkey).**  
Akyüz T., Bolcal Ç., Küçer R., Sarıtepe P., Akyüz S.  
CZECHOSLOVAK JOURNAL OF PHYSICS, vol.49, pp.395-400, 1999 (Journal Indexed in SCI)
- VII. **Investigation Of Uranium And Thorium Concentrations In The Fluorite Beds Of Anatolia By Using Solid State Nuclear Track Detectors.**  
Akyüz T., Bolcal Ç., Tretyakova S., Güzel T., Sarıtepe P., Oganessian Y.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.220, pp.259-261, 1997 (Journal Indexed in SCI)
- VIII. **Determination Of Concentrations Of Fissionable Elements In The Black Sea Sediment Samples Before And After Chernobyl Using Neutron Radiography Method.**  
Güzel T., Tretyakova S., Akyüz T., Oganessian Y., Bolcal Ç., Sarıtepe P., Çağatay N., Kırath N.  
RADIATION MEASUREMENTS, vol.28, pp.405-408, 1997 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Natural And Neutron Induced Gamma-Ray Spectroscopic Investigations Of The Radioactive Mineral From The Deposits Of Malatya(Turkey).**  
Akyüz T., Küçer R., Sarıtepe P., Bolcal Ç.  
İ.Ü. Astronomi ve Fizik Dergisi, vol.58, pp.1-8, 1993 (National Refreed University Journal)

### Books & Book Chapters

- I. **ANNUAL EFFECTIVE DOSE AND DETERMINATION OF GROSS ALPHA AND BETA ACTIVITIES IN WATER SAMPLES.**  
Otansev P., Kam E., Karahan G., Barut İ.  
in: THE SCIENCE AND EDUCATION AT THE BEGINNING OF THE 21ST CENTURY IN TURKEY., Strelava O, Hristov İ, Mortan K, Peeva P, Sam R, Sam N, Galay E, Atasoy E., Editor, St. Kliment Ohridski University Press, Oblast Sofia-Grad, pp.570-579, 2013

### Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF GROSS ALPHA AND GROSS BETA ACTIVITY IN WATERSAMPLES OBTAINED FROM NEVŞEHİR**  
OTANSEV P., Bingöldağ N.  
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.391
- II. **SPATIALDISTRIBUTION OF NATURAL AND ARTIFICIAL RADIOACTIVITY CONCENTRATIONS IN SOIL SAMPLES OF NEVŞEHİR WITH STATISTICAL APPROACH**  
OTANSEV P., Bingöldağ N.  
Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 5 - 09 September 2018, pp.405
- III. **Gross alpha and beta activities in drinking waters of Kırıkkale.**  
OTANSEV P., Bingöldağ N.  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.451
- IV. **The metal contamination in sediment samples of the Marmara sea**  
OTANSEV P.  
Balkan Fizik Birliği 9. Uluslararası Fizik Konferansı, İstanbul, Turkey, 24 - 27 August 2015, pp.306
- V. **Gross alpha and gross beta activity concentrations in waters around Kayseri/Turkey.**  
OTANSEV P., Kam E., Karahan G., Barut İ.  
Türk Fizik Derneği 29. Uluslararası Fizik Kongresi, Turkey, 1 - 04 September 2012, pp.726

- VI. **Radon Radioactivity measurements in Kayseri region of Turkey.**  
OTANSEV P., Kam E., Ataksor B.  
Türk Fizik Derneği 27. Uluslararası Fizik Kongresi, Turkey, 1 - 04 September 2010, pp.768
- VII. **Jeolojik Örneklerde Nötron Radyografi Yöntemi ile Düşük Derişimli Uranyum ve Toryum İçeriklerinin Saptanması.**  
Akyüz T., Tretyakova S., Sarıtepe P., Güzel T., Bolcal Ç., Akyüz S.  
II. Ulusal Parçacık Hızlandırıcıları ve Uygulamaları Kongresi, Ankara, Turkey, 1 - 04 June 2004, pp.10
- VIII. **Kuron Köprü Protezlerinin Dökümünde Artık Alaşım İlavasının Döküm Yüzeyine Etkilerinin İncelenmesi.**  
Sermet B., Akkayan B., Küçer R., Sarıtepe P.  
Türk Prostodonti ve İmplantoloji Derneği 10. Bilimsel Kongresi Protez Akademisi ve Gnatoloji Derneği 3. Bilimsel Kongresi, Nevşehir, Turkey, 1 - 04 September 1998, pp.7
- IX. **Neutron Induced Gamma-Ray Spectroscopic And x-Ray Fluorescence Investigations of Britholite Veins Of Başören Village (Turkey).**  
Akyüz T., Bolcal Ç., Küçer R., Sarıtepe P., Akyüz S.  
13 th Radiochemical Conference, Czech Republic, 1 - 04 April 1998, pp.166
- X. **Determination Of Uranium And Thorium Concentrations In Turkish Lignite Coal Ashes Using Neutron Radiography.**  
Güzel T., Akyüz T., Bolcal Ç., Sarıtepe P., Tretyakova S., Oganessian Y., Saltoğlu T.  
18 th International Conference on Nuclear Tracks In Solids., Egypt, 1 - 04 September 1996, pp.9
- XI. **Fissionable Elements Investigations Of The Turkish Fluorites Using DielectricTrack Detectors**  
Güzel T., Akyüz T., Bolcal Ç., Sarıtepe P., Tretyakova S., Oganessian Y., Saltoğlu T.  
18 th International Conference on Nuclear Tracks In Solids., Egypt, 1 - 04 September 1996, pp.5
- XII. **Karadeniz Sediment Örneklerinde Uranyum Derişimlerinin İz Dedektörleri ile Saptanması.**  
Akyüz T., Bolcal Ç., Tretyakova S., Çağatay N., Akyüz S., Güzel T., Sarıtepe P., Kıratlı N., Başsarı A., Saltoğlu T.  
VII Ulusal Nükleer Bilimler ve Teknoloji Kongresi, İstanbul, Turkey, 1 - 04 September 1996, pp.232-238
- XIII. **Determination Of Concentrations Of Fissionable Elements In The Black Sea Sediment Samples Before And After Chernobyl Using Dielectric Detectors.**  
Sarıtepe P., Güzel T., Akyüz T., Oganessian Y., Bolcal Ç., Tretyakova S., Saltoğlu T., Kıratlı N., Çağatay N.  
18 th International Conference on Nuclear Tracks In Solids., Egypt, 1 - 04 April 1996, pp.6-8

## Scientific Refereeing

Project Supported by Other Official Institutions, Ege University, Turkey, February 2021

ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, October 2020

WATER AIR AND SOIL POLLUTION, SCI Journal, December 2019

Journal of Environmental Science and Health, Part A, SCI Journal, April 2019

Journal of Radiation Research and Applied Sciences, Other Indexed Journal, September 2018

Environmental Engineering and Management Journal, SCI Journal, February 2017

Radiochimica Acta, SCI Journal, January 2017

Desalination, SCI Journal, July 2016

SDÜ Fen Bilimleri Enstitüsü Dergisi', National Scientific Refreed Journal, April 2015

## Tasks In Event Organizations

Otansev P., International Online Conferences On Engineering and Natural Sciences , Scientific Congress, Gümüşhane, Turkey, Temmuz 2021

## Edit Congress and Symposium Activities

Türk Fizik Derneği 34. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2018  
Polymer & Nanocomposites Symposium, Attendee, İstanbul, Turkey, 2018  
Türk Fizik Derneği 33. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2017  
Balkan Fizik Birliği 9. Uluslararası Fizik Konferansı, Attendee, İstanbul, Turkey, 2015  
Turkish Physical Society 29 th International Physics Congress, Attendee, Bodrum, Turkey, 2012  
Turkish Physical Society 27 th International Physics Congress, Attendee, Bodrum, Turkey, 2010  
6 th International Conference of the Balkan Physical Union., Attendee, İstanbul, Turkey, 2006  
1993\_1982 Dönemi İ.Ü Fizik Bölümü Tarihi Sempozyumu, Attendee, İstanbul, Turkey, 2006  
Türk Fizik Derneği 22. Fizik Kongresi, Attendee, Bodrum, Turkey, 2004  
The Second International Balkan Workshop On Nuclear Physics, Attendee, Edirne, Turkey, 2001  
2 nd International School on Nuclear Physics, Attendee, Bodrum, Turkey, 2000  
Frontier Topics in Nuclear Physics, Attendee, Predeal, Romania, 1993  
VI. Ulusal Nükleer Bilimler ve Teknoloji Kongresi, Attendee, Bursa, Turkey, 1993

## Citations

Total Citations (WOS):40  
h-index (WOS):2

## Awards

OTANSEV P., Teşekkür Plaketi, İ.Ü Bilimsel Araştırma Projeleri Koordinasyon Birimi, April 2012  
AYDINLI S. G. , OTANSEV P., KALAYCI R., GAZİOĞLU C., KALKAN N., Başarılı araştırmacı Belgesi, Bilimsel Araştırma Projeleri Birimi, April 2001  
ÇAY M. T. , TAN N., YANARDAĞ R., ÖZDEN Ö., GAZİOĞLU C., GÖKMEN Z., ÇAY İ., OTANSEV P., KALAYCI R., Başarılı Araştırmacı Belgesi, İstanbul Üniversitesi, December 1999  
OTANSEV P., Teşekkür Belgesi, İstanbul Üniversitesi, June 1999  
OTANSEV P., Teşekkür Belgesi, İstanbul Üniversitesi, May 1998  
OĞUZ F., OTANSEV P., Teşekkür Belgesi, İstanbul Üniversitesi. Araştırma Fonu, July 1997