

## Lect. PhD FİRDEVS BANU ÖZDEMİR

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: ISS-3068-2023

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Yoksis Researcher ID: 15923

### Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2016

Postgraduate, Afyon Kocatepe University, Turkey 2003 - 2006

Undergraduate, Suleyman Demirel University, Turkey 1998 - 2003

### Research Areas

Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Lecturer PhD, Kütahya Health Sciences University, Simav Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler Ve Teknikler, 2023 - Continues

Assistant Professor, Beykent University, Vocational School, 2017 - 2023

Lecturer, Beykent University, Vocational School, 2013 - 2017

Lecturer, Istanbul Aydin University, Faculty Of Engineering, Department Of Mechanical Engineering, 2012 - 2013

### Academic and Administrative Experience

Head of Department, Beykent University, Vocational School, Department Of Medical Services And Techniques, 2017 - 2023

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Beykent University, Vocational School, Department Of Medical Services And Techniques, 2017 - 2023

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

- Investigation of tribological properties of polypropylene (PP)—Acrylonitrile butadiene styrene (ABS) blends reinforced with graphene nano-platelets (GNPs)**  
Karteri İ., Öge M., Küçük Y., Özdemir Öge T., Özdemir F. B., Karataşlı M., Çulha M. A., Babacan T.  
Tribology International, vol.183, 2023 (SCI-Expanded)

- II. **Assessment of environmental radioactivity in soil samples from Bartın Province, Turkey**  
Özdemir Öge T., Özdemir F. B., Öge M.  
Journal of Radioanalytical and Nuclear Chemistry, vol.328, no.1, pp.149-162, 2021 (SCI-Expanded)
- III. **Assessment of radioactivity from groundwater samples from selected areas of Western Black Sea Region, Turkey**  
Özdemir Öge T., Özdemir F. B.  
Radiochimica Acta, vol.108, no.6, pp.499-508, 2020 (SCI-Expanded)
- IV. **Effect of B4C addition on the microstructure, hardness and dry-sliding-wear performance of Az91 composites produced with hot pressing**  
Öge T. Ö., Öge M., Yılmaz V. M., Özdemir F. B.  
Materiali in Tehnologije, vol.53, no.3, pp.433-440, 2019 (SCI-Expanded)
- V. **Indoor and tap water radon (<sup>222</sup>Rn) concentration measurements at Giresun University campus areas**  
Büyüksulu H., Özdemir F. B., Öge T. Ö., Gökce H.  
Applied Radiation and Isotopes, vol.139, pp.285-291, 2018 (SCI-Expanded)
- VI. **Simulation and experimental measurement of radon activity using a multichannel silicon-based radiation detector**  
Ozdemir F. B., Selcuk A., Özkorucuklu S., Alpat A., Ozdemir T., Özek N.  
Applied Radiation and Isotopes, vol.135, pp.61-66, 2018 (SCI-Expanded)
- VII. **The evaluation of spectral transmittance of optical eye-lenses**  
Ozdemir T., Sağlam A., Ozdemir F. B., Keskiner A. Ü.  
Optik, vol.127, no.4, pp.2062-2068, 2016 (SCI-Expanded)
- VIII. **The Measurement of Radon and Radium Concentrations in Well Water in the Afyonkarahisar area of Turkey**  
Yalın H. A., Akkurt İ., Özdemir F. B., Ünal R., Gümüş A.  
INDOOR AND BUILT ENVIRONMENT, vol.16, no.1, pp.77-81, 2007 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Spectroscopic and Theoretical Investigation of Pioglitazone with FT-IR, Raman, UV-Vis. and NMR**  
Özdemir Öge T., Sağlam A., Özdemir F. B., Keskiner A. Ü., Öge M.  
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.15, no.1, pp.30-45, 2022 (Peer-Reviewed Journal)

### Books & Book Chapters

- I. **FUNDAMENTALS OF OPHTALMIC LENS DECENTRATION**  
ÖZDEMİR ÖGE T., ÖZDEMİR F. B., ÖGE M., ÇİÇEK O.  
in: PHYSICS STUDIES, Mehriban EMEK, Editor, İKSAD, pp.129-148, 2021
- II. **1. ULUSAL MESLEK YÜKSEKOKULLARI SEMPOZYUMU 2 KASIM 2019 İSTANBUL/TÜRKİYE ÖZET VE TAM METİN KİTAPÇIĞI**  
Özdemir F. B. (Editor)  
Beykent Üniversitesi Yayınları, İstanbul, 2019

### Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Antifungal activity of Borax-Glycerin against Candida Albicans**  
ÖZDEMİR ÖGE T., Keskiner A. Ü., ÖZDEMİR F. B.  
International Syöposium on Boron (Boron2019), Nevşehir, Turkey, 17 - 19 April 2019, pp.1055-1060

- II. **Spectroscopic Study and Investigation of Antifungal Activity of Antiseptic Magistral Drug against Candida Albicans**  
ÖZDEMİR ÖGE T., Keskiner A. Ü., ÖZDEMİR F. B.  
International Symposium on Boron (Boron2019), Nevşehir, Turkey, 17 - 19 April 2019
- III. **Eksternal Radyoterapide Kullanılan Medikal Cihazlar ve Çalışma İlkeleri**  
ÖZDEMİR F. B.  
Beykent Üniversitesi 1. Ulusal Meslek Yüksekokulları Sempozyumu, İstanbul, Turkey, 02 November 2019
- IV. **Experimental Measurement Of AM-241, AM-241: PU-239: CM-241 Activity Using A Multichannel Silicon-Based Radiation Dedector**  
ÖZDEMİR F. B., ÖZKORUCUKLU S., ÖZEK N.  
The Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia/TURKEY (IMSMATEC'19), Nevşehir, Turkey, 21 - 23 June 2019
- V. **Measurements on 222Rn Concentration in Tap Water in Giresun University Departments**  
ÖZDEMİR F. B., BÜYÜKUSLU H., ÖZDEMİR T., GÖKCE H.  
1st. International Conference on Energy Systems Engineering, (ICESE17), Turkey, 2 - 04 November 2017
- VI. **Optical Power Calculations of Ophthalmic Lenses**  
ÖZDEMİR T., ÖZDEMİR F. B., BÜYÜKUSLU H.  
2nd International Conference on Material Science and Technology, Nevşehir, Turkey, 11 - 13 October 2017, pp.669
- VII. **Theoretical Model Comparison For the Total Proton Reaction Cross Section Calculations**  
BÜYÜKUSLU H., ÖZDEMİR F. B., ÖZDEMİR ÖGE T.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'xx17), 11 - 13 October 2017
- VIII. **Spectroscopic Study of Polyvinyl Alcohol (PVA)**  
ÖZDEMİR ÖGE T., ÖZDEMİR F. B.  
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'xx17), Turkey, 11 - 13 October 2017
- IX. **Indoor Environment 222Rn Measurement in Many Departments of Giresun University**  
BÜYÜKUSLU H., ÖZDEMİR F. B., ÖZDEMİR ÖGE T.  
Turkish Physical Society 33rd International Physics Congress, 6 - 10 September 2017
- X. **The Spectral Light Transmittance Of Ophthalmic Optical Lenses**  
ÖZDEMİR ÖGE T., ÖZDEMİR F. B.  
International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), Nevşehir, Turkey, 5 - 08 April 2016
- XI. **A Study on Molecular Spectroscopy and Transmittance of Ophthalmic Optical Lenses**  
ÖZDEMİR T., SAĞLAM A., ÖZDEMİR F. B.  
1 st International Advanced and Functional Materials Technologies (AFMAT2015), 26 - 28 October 2015
- XII. **Lenslerin Fiziksel ve Kimyasal Özelliklerinin İncelenmesi**  
ÖZDEMİR T., KARAMAN S., SAĞLAM A., ÖZDEMİR F. B.  
III. Üniversiteler Arası Optisyenlik Programı Eğitim Şurası, Turkey, 9 - 10 May 2015
- XIII. **The Experimental Measurement Methods and The Simulation Study of High Precision Radiation Detector**  
ÖZDEMİR F. B., alpat b., selçuk a. b., ÖZKORUCUKLU S., ÖZDEMİR T.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, 21 - 24 July 2014
- XIV. **The Ultraviyole Radiation Tests Analysis and Physical Characteristics of Optic Lenses**  
ÖZDEMİR T., SAĞLAM A., GÖKTAŞ F., BİLİCİ A., KURTÇA M., keskiner a. ü., ÖZDEMİR F. B.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, 21 - 24 July 2014
- XV. **The Optical Devices Tools and Lenses Used in Optic Field**  
ÖZDEMİR T., ÖZDEMİR F. B., SAĞLAM A.  
Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, 21 - 24 July 2014
- XVI. **Geant4 Programına Giriş ve Silikon Dedektörde Uygulaması**  
ÖZDEMİR F. B., ÖZDEMİR T., ÖZKORUCUKLU S.

29. Uluslararası Fizik Kongresi, 5 - 08 September 2012
- XVII. **Bir Silikon Mikro Şerit Dedektörün Yapısı ve Benzetimle Performans Çalışması**  
ÖZDEMİR F. B., ÖZDEMİR T., ÖZKORUCUKLU S.  
Türk Fizik Derneği 29. Uluslararası Fizik Kongresi, 5 - 08 September 2012
- XVIII. **The Energy Loss Study by Electrons and Positrons in Silicon Detector**  
ÖZDEMİR F. B., ÖZDEMİR T., ÖZKORUCUKLU S.  
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, 5 - 09 September 2011
- XIX. **The Technology Computer Aided Design Review for Silicon and Integrated Circuit**  
ÖZDEMİR T., ÖZDEMİR F. B., ÖZKORUCUKLU S.  
28. Uluslararası Fizik Kongresi, 5 - 09 September 2011
- XX. **The Design and Simulation of PN Diode**  
ÖZDEMİR T., ÖZDEMİR F. B., ÖZKORUCUKLU S.  
28. Uluslararası Fizik Kongresi, 5 - 09 September 2011
- XXI. **Radon measurements Techniques ALPHAGUARD**  
ÖZDEMİR F. B., ÖZDEMİR T., ÖZKORUCUKLU S., ÖZGÜR N.  
Türk Fizik Derneği 28. Uluslararası Fizik Kongresi, 5 - 09 September 2011

## Supported Projects

- Özdemir F. B., Project Supported by Higher Education Institutions, Esenyurt ve Beylikdüzü Bölgesinde Bina İçi Havada ve Su Örneklerinde Radon Konsantrasyon Ölçümü, 2019 - 2021
- Özdemir F. B., Özdemir Öge T., Project Supported by Higher Education Institutions, Anti Diyabetik İlaçların Yapısal Özellikleri ve Titreşimi üzerine Teorik ve Deneysel Araştırmalar, 2017 - 2018
- Özdemir F. B., Büyüksu H., Özdemir T., Gökce H., Öztürk N., Alpaslan Y. B., Project Supported by Higher Education Institutions, Giresun Üniversitesi'nde Bina İçi ve Su Örneklerinde Radon (Rn-222) Gazı Seviyesi Ölçümü, 2016 - 2017
- Özdemir F. B., Yalım H. A., Project Supported by Higher Education Institutions, 041 FENED 06, 2004 - 2007

## Activities in Scientific Journals

ROMAYA, Editor, 2021 - Continues

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Kütahya Health Sciences University, Turkey, May 2023