

## Prof. Ahmet Bozkurt

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: D-7238-2015

ScopusID: 36770588400

Yoksis Researcher ID: 31982

### Education Information

Doctorate, Rensselaer Polytechnic Institute, Nükleer Mühendislik ve Bilim, United States Of America 1996 - 2000

Postgraduate, University of Missouri - Rolla, Nükleer Mühendislik, United States Of America 1994 - 1996

Undergraduate, Middle East Technical University, Faculty Of Engineering, Fizik Mühendisliği, Turkey 1986 - 1991

### Foreign Languages

English, C2 Mastery

### Dissertations

Doctorate, Assessment of Organ Doses from Exposure to Neutrons Using the Monte Carlo Technique and an Image-Based Anatomical Model, Rensselaer Polytechnic Institute, Nükleer Mühendislik ve Bilim, 2000

Postgraduate, Gamma-Ray Dose Rate from a Spent PWR Fuel Assembly Using the Monte Carlo Technique, University of Missouri - Rolla, Nükleer Mühendislik, 1996

### Research Areas

Interdisciplinary Physics and Related Science and Technology Areas

### Academic Titles / Tasks

Professor, Istanbul Technical University, Bilişim Enstitüsü, Hesaplamalı Bilim Ve Mühendislik, 2023 - Continues

Professor, Akdeniz University, Faculty Of Engineering, Department Of Biomedical Engineering, 2016 - 2023

Professor, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2012 - 2016

Associate Professor, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2007 - 2012

Assistant Professor, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2001 - 2007  
Research Assistant, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 1993 - 2001

## Academic and Administrative Experience

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Akdeniz University, Biyomedikal Teknolojiler Uygulama Ve Araştırma Merkezi, 2018 - 2023  
Head of Department, Akdeniz University, Institute Of Science, Radiation Safety And Protection, 2017 - 2023  
Head of Department, Akdeniz University, Faculty Of Engineering, Department Of Biomedical Engineering, 2016 - 2023  
Director of the Center, Akdeniz University, Nükleer Bilimler Uygulama Ve Araştırma Merkezi, 2018 - 2021  
Director of the Center, Akdeniz University, Nükleer Bilimler Uygulama Ve Araştırma Merkezi, 2017 - 2018  
Head of Department, Harran University, Institute Of Health Sciences, 2015 - 2016  
Head of Department, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2001 - 2016  
Director Of Junior College, Harran University, Academy Of Foreign Languages, 2012 - 2015  
Head of Department, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2011 - 2013  
Head of Department, Harran University, Rectorate, Department Of Informatics, 2002 - 2011  
Deputy Head of Department, Harran University, Faculty Of Arts And Sciences, Department Of Physics, 2002 - 2011  
Deputy Head of Department, Harran University, Rectorate, Department Of Informatics, 2001 - 2002

## Advising Theses

Bozkurt A., Derin öğrenme yönteminin koroner arter hastalığında iskemi değerlendirilmesi için spect görüntülerine uygulanması, Postgraduate, B.ŞAYIK(Student), 2023  
Bozkurt A., Aktif termogramlar üzerinden meme lezyonlarında derin öğrenme yardımıyla malinite tespiti, Postgraduate, S.ÇİVİLİBAL(Student), 2022  
Bozkurt A., Alzheimer hastalığının derin öğrenme tekniği ile PET görüntüleri üzerinden teşhisi, Postgraduate, E.SİVRİKAYA(Student), 2022  
Bozkurt A., Çevik K. K., Beyin tümörlerinin MR görüntüleri üzerinden derin öğrenme yöntemiyle tespiti ve sınıflandırması, Postgraduate, M.KÖRDEMİR(Student), 2021  
Bozkurt A., Radyonüklitler için etkin doz hızı dönüşüm katsayılarının monte carlo yöntemi ile hesaplanması, Postgraduate, F.ONAT(Student), 2021  
Bozkurt A., Özgün mekanik bir aort kapakçığı tasarımı, mekanik analizi ve prototip üretimi, Postgraduate, N.ÖZKURT(Student), 2021  
Bozkurt A., Engel geçiş katsayılarının yüksek enerjili X ışınları altında farklı zırlama materyalleri için deneysel olarak belirlenmesi, Postgraduate, Ö.YAŞAR(Student), 2019  
Bozkurt A., Geniş alan göğüs duvarı ışınlamalarında hedef ve riskli organ hacimlerinin aldığı dozun farklı ışınlama teknikleri açısından karşılaştırılması, Postgraduate, H.KADİRCAN(Student), 2016  
Bozkurt A., Mide radyoterapisinde farklı ışınlama tekniklerinin karşılaştırılması, Postgraduate, M.MURAT(Student), 2015  
Bozkurt A., Beyin metastazlarında tomohelik ve tomodirek tedavi plan tekniklerinin karşılaştırılması, Postgraduate, İ.HALİL(Student), 2015  
Bozkurt A., Adıyaman ili doğal zemin radyasyon düzeyinin belirlenmesi, Postgraduate, H.VURUŞ(Student), 2013  
Bozkurt A., Prostat radyoterapisinde organ dozlarının görüntüsel bir vücut modeli kullanılarak Monte Carlo yöntemiyle hesaplanması, Postgraduate, E.BERNA(Student), 2010  
Bozkurt A., Topraktaki radyonüklitler için etkin doz dönüşüm katsayılarının Monte Carlo Yöntemi ile hesaplanması, Postgraduate, Y.BALOS(Student), 2010  
Bozkurt A., Özgül soğurma oranlarının görüntüsel bir vücut modeli yardımıyla monte carlo yöntemi kullanılarak belirlenmesi, Postgraduate, N.YORULMAZ(Student), 2006  
Bozkurt A., Göğüs röntgenogramlarında hasta dozunun Monte Carlo Yöntemi ile belirlenmesi, Postgraduate, N.ER(Student), 2003

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

- I. **Gamma and neutron attenuation characteristics of bricks containing zinc extraction residue as a novel shielding material**  
Gencil O., BOZKURT A., KAM E., Yaras A., Erdogmus E., Sutcu M.  
PROGRESS IN NUCLEAR ENERGY, vol.139, 2021 (SCI-Expanded)
- II. **Migration test column for decontamination of radioactive liquids by using natural tuff**  
Kam E., Osmanlioglu A., BOZKURT A.  
DESALINATION AND WATER TREATMENT, vol.52, no.34-36, pp.6817-6821, 2014 (SCI-Expanded)
- III. **Natural radioactivity in bottled mineral and thermal spring waters of Turkey**  
Taskin H., Asliyukse H., Bozkurt A., Kam E.  
RADIATION PROTECTION DOSIMETRY, vol.157, no.4, pp.575-578, 2013 (SCI-Expanded)
- IV. **Determination of gross alpha and beta activity concentrations in drinking waters in Bursa region of north-western Turkey**  
Taskin H., Kam E., Bozkurt A.  
DESALINATION AND WATER TREATMENT, vol.45, no.1-3, pp.21-25, 2012 (SCI-Expanded)
- V. **A study of environmental radioactivity measurements for Cankiri, Turkey**  
Kapdan E., Taskin H., Kam E., Osmanlioglu A. E., Karahan G., Bozkurt A.  
RADIATION PROTECTION DOSIMETRY, vol.150, no.3, pp.398-404, 2012 (SCI-Expanded)
- VI. **Investigation of radioactivity level in soil and drinking water samples collected from the city of Erzincan, Turkey**  
YALÇIN P., Taskin H., Kam E., Taskin H., Terzi M., Varinlioglu A., Bozkurt A., Bastug A., Tasdelen B.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.292, no.3, pp.999-1006, 2012 (SCI-Expanded)
- VII. **Determination and calculation of gamma and neutron shielding characteristics of concretes containing different hematite proportions**  
Gencil O., Bozkurt A., Kam E., Korkut T.  
ANNALS OF NUCLEAR ENERGY, vol.38, no.12, pp.2719-2723, 2011 (SCI-Expanded)
- VIII. **A study of background radioactivity level for Canakkale, Turkey**  
Kam E., Bozkurt A., ILGAR R.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.168, no.1-4, pp.685-690, 2010 (SCI-Expanded)
- IX. **A STUDY OF BACKGROUND RADIOACTIVITY LEVEL FOR TEKIRDAG, TURKEY**  
Kam E., Yaras Y., Bozkurt A.  
RADIATION PROTECTION DOSIMETRY, vol.138, no.1, pp.40-44, 2010 (SCI-Expanded)
- X. **Assessment of environmental radioactivity for Sanliurfa region of southeastern Turkey**  
Bozkurt A., Yorulmaz N., Kam E., Karahan G., Osmanlioglu A. E.  
RADIATION MEASUREMENTS, vol.42, no.8, pp.1387-1391, 2007 (SCI-Expanded)
- XI. **Assessment of background radioactivity level for Gaziantep region of southeastern Turkey**  
Osmanlioglu A. E., Kam E., Bozkurt A.  
RADIATION PROTECTION DOSIMETRY, vol.124, no.4, pp.407-410, 2007 (SCI-Expanded)
- XII. **Environmental radioactivity measurements in Kastamonu region of northern Turkey**  
Kam E., Bozkurt A.  
APPLIED RADIATION AND ISOTOPES, vol.65, no.4, pp.440-444, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Derin Öğrenme Yardımıyla Aktif Termogramlar Üzerinden Meme Lezyonlarının Sınıflandırması**  
Çivilibal S., Çevik K. K., Bozkurt A.  
SÜLEYMAN DEMIREL ÜNİVERSİTESİ FEN EDEBİYAT FAKÜLTESİ FEN DERGİSİ = SÜLEYMAN DEMIREL UNIVERSITY FACULTY OF ARTS AND SCIENCE JOURNAL OF SCIENCE, vol.18, no.2, pp.140-156, 2023 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

### **I. Environmental radioactivity measurements in Harran Plain of Sanliurfa, Turkey**

Bozkurt A., Yorulmaz N., Kam E.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.397-398