

## **Prof. AHMET CENGİZ**

### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Nükleer Fizik, Turkey 1986 - 1991  
Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Nükleer Fizik, Turkey 1984 - 1986

### **Dissertations**

Doctorate, Elektron ve Beta- Parçacıklarının Menzil, Enerji ve Açısal Dağılımlarının Monte Carlo Yöntemi ile İncelenmesi,  
Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), 1991  
Postgraduate, NaI (TI) Dedektörleri için Gamma Cevap Fonksiyonunun Monte Carlo Metodu ile Elde Edilmesi, Bursa  
Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, 1986

### **Academic Titles / Tasks**

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2001 - Continues  
Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1995 - 2001  
Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1991 - 1995  
Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1983 - 1991

### **Academic and Administrative Experience**

Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2006 - Continues  
Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2016 - 2022

### **Advising Theses**

CENGİZ A., The investigation of response functions of  $5.08 \times 5.08$  cm NaI(Tl) detector to gamma-rays in low energy  
region, Postgraduate, G.Ünsalan(Student), 2015  
CENGİZ A.,  $5.08 \times 5.08$  cm NaI(Tl) detektörünün gama-işinleri cevap fonksiyonlarının düşük enerji bölgesinde  
incelenmesi, Postgraduate, G.ÜNSALAN(Student), 2015  
CENGİZ A., Elektronların çoklu saçılımalar sonunda açısal dağılımlarının incelenmesi, Doctorate, A.KORAY(Student), 2010

- CENGİZ A., Determination of dose distributions for clinical linear accelerators using Monte Carlo Method in water phantom, Postgraduate, A.TARTAR(Student), 2007
- CENGİZ A., The analysis of internal bremsstrahlung spectra of  $\beta^-$  particles, Doctorate, EALMAZ(Student), 2007
- CENGİZ A., Obtained dose distribution for Co-60 teletherapy units usig Monte Carlo Method in water phantom, Postgraduate, C.GÖKHAN(Student), 2006
- CENGİZ A., Investigation of energy distribution of beta particles from vavilov distributions, Postgraduate, A.KORAY(Student), 2002
- CENGİZ A., Investigation of internal bremsstrahlung spectra of  $\beta$  particles, Postgraduate, E.Almaz(Student), 2000
- CENGİZ A., Beta parçacıklarının internal bremsstrahlung spektrumlarının incelenmesi, Postgraduate, E.ALMAZ(Student), 2000

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

- I. **An approximation for response function to gamma-rays of NaI(Tl) detectors up to 1.5 MeV**  
Cengiz A.  
APPLIED RADIATION AND ISOTOPES, vol.66, no.10, pp.1371-1376, 2008 (SCI-Expanded)
- II. **Deconvolution of continuous internal bremsstrahlung spectra of P-32, Kr-85 and Pr-143**  
Almaz E., Cengiz A.  
X-RAY SPECTROMETRY, vol.36, no.6, pp.419-423, 2007 (SCI-Expanded)
- III. **Unfolding continuous photon spectrum emitted from Sr-90-Y-90 in equilibrium**  
Almaz E., Cengiz A., Tartar A.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS, vol.16, no.6, pp.1733-1740, 2007 (SCI-Expanded)
- IV. **Internal bremsstrahlung spectra of beta(-) particle emitters using the Monte Carlo method**  
Cengiz A., Almaz E.  
RADIATION PHYSICS AND CHEMISTRY, vol.70, no.6, pp.661-668, 2004 (SCI-Expanded)
- V. **Approximate inelastic scattering cross sections of electrons**  
Cengiz A.  
RADIATION PHYSICS AND CHEMISTRY, vol.65, no.1, pp.33-44, 2002 (SCI-Expanded)
- VI. **A study on the Epstein-Hubbell generalized elliptic-type integral using residue theory**  
Cengiz A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.83, no.1, pp.19-26, 1997 (SCI-Expanded)
- VII. **RANGE DISTRIBUTION OF ELECTRONS**  
CENGİZ A., OZMUTLU C.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.84, no.3, pp.310-318, 1994 (SCI-Expanded)
- VIII. **MASS-ATTENUATION COEFFICIENTS OF BETA-PARTICLES**  
OZMUTLU C., CENGİZ A.  
APPLIED RADIATION AND ISOTOPES, vol.41, no.6, pp.545-549, 1990 (SCI-Expanded)

### **Articles Published in Other Journals**

- I. **Studies on Internal Bremsstrahlung Radiation Accompanying Second Forbidden Decay of  $^{36}\text{Cl}$  and  $^{99}\text{Tc}$**   
KHALIL E. I., CENGİZ A.  
IOSR Journal of Applied Physics (IOSR-JAP), vol.6, no.1, pp.54-62, 2014 (Peer-Reviewed Journal)

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

### **I. The effect of elastic scattering cross section to multiple-scattering of electrons**

Koray A., Aytekin H., CENGİZ A.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.536

## **Metrics**

Publication: 12

Citation (WoS): 76

Citation (Scopus): 75

H-Index (WoS): 6

H-Index (Scopus): 6