

## Prof. AHMET CENGİZ

### Personal Information

**Email:** acengiz@uludag.edu.tr

**Web:** <https://avesis.uludag.edu.tr/acengiz>

### International Researcher IDs

ScholarID: mjQEwAkAAAAJ

ORCID: 0000-0001-7173-6638

Publons / Web Of Science ResearcherID: AAH-7446-2021

ScopusID: 1615073929105

Yoksis Researcher ID: 157812

### Education Information

Doctorate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Nükleer Fizik, Turkey 1986 - 1991

Postgraduate, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Nükleer Fizik, Turkey 1984 - 1986

### Dissertations

Doctorate, Elektron ve Beta- Parçacıklarının Menzil, Enerji ve Açısız Dağılımlarının Monte Carlo Yöntemi ile İncelenmesi, Bursa Uludağ University, Fen Bilimleri Enstitüsü, Fizik (Dr), 1991

Postgraduate, NaI (TI) Dedektörleri için Gamma Cevap Fonksiyonunun Monte Carlo Metodu ile Elde Edilmesi, Bursa Uludağ University, Fen Bilimleri Enstitüsü, 1986

### Academic Titles / Tasks

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2001 - Continues

Associate Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 1995 - 2001

Assistant Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 1991 - 1995

Research Assistant, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 1983 - 1991

### Academic and Administrative Experience

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2006 - Continues

Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Fizik, 2016 - 2022

### Advising Theses

CENGİZ A., The investigation of response functions of 5.08×5.08 cm NaI(Tl) detector to gamma-rays in low energy region, Postgraduate, G.Ünsalan(Student), 2015

CENGİZ A., 5.08x5.08 cm NaI(Tl) detektörünün gama-ışınları cevap fonksiyonlarının düşük enerji bölgesinde incelenmesi, Postgraduate, G.ÜNSALAN(Student), 2015

CENGİZ A., Elektronların çoklu saçılmalar sonunda açısız 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, E.ALMAZ(Student), 2007

CENGİZ A., Obtained dose distribution for Co-60 teletherapy units using 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): 72

Citation (Scopus): 75

H-Index (WoS): 6

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