



# OZAN ARTUN

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Zonguldak Bülent Ecevit Üniversitesi Mühendislik Fakültesi  
Bilgisayar Müh. Bilgisayar Yazılımı

## HAKKINDA

### Çalıştığı Birim

MÜHENDİSLİK FAKÜLTESİ >  
BİLGİSAYAR MÜH. > Bilgisayar  
Yazılımı

### Temel Alanı

Fen Bilimleri ve Matematik Temel  
Alanı  
Mühendislik Temel Alanı

### Bilim Alanı

Fizik  
Bilgisayar Bilimleri ve Mühendisliği

### Akademik Anahtar Kelime

Nükleer Fizik  
Genel Fizik  
Astronomi, Astrofizik ve Uzay  
Bilimleri  
Bilgisayar Yazılımı ve Yazılım  
Mühendisliği  
Canlandırma/Animasyon  
Sanal ve Artırılmış Gerçeklik  
Programlama Dilleri  
Hesaplama Yöntemleri

## ÖĞRENİM BİLGİLERİ

### • 2004 - 2008

TRAKYA ÜNİVERSİTESİ  
Lisans-Anadal  
FEN-EDEBİYAT FAKÜLTESİ | FİZİK

### • 2008 - 2010

TRAKYA ÜNİVERSİTESİ  
Yüksek Lisans-Tezli  
FEN BİLİMLERİ ENSTİTÜSÜ | FİZİK

### • 2014 - 2016

HOCA AHMET YESEVİ  
ULUSLARARASI TÜRK-KAZAK  
ÜNİVERSİTESİ  
Yüksek Lisans-Tezsiz  
MÜHENDİSLİK FAKÜLTESİ | BİLGİSAYAR  
MÜHENDİSLİĞİ

### • 2011 - 2015

BÜLENT ECEVİT ÜNİVERSİTESİ  
Doktora  
FEN BİLİMLERİ ENSTİTÜSÜ | FİZİK

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## ULUSLARARASI

SCI-Expanded

### A new production route of Gadolinium-148 for use in Radioisotope Thermoelectric Generators

ARTUN OZAN

Applied Radiation and Isotopes Volume 185 pages: 110222 - | 2022

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SCI-Expanded

### Neutron-proton interaction, bubble structure and neutron skin properties of Co in a Supernova

ARTUN OZAN

Indian Journal of Physics Volume 96 issue 3 pages: 885 - 894 | 2022

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SCI-Expanded

### The investigation of the production of Ac-227, Ra-228, Th-228, and U-232 in thorium by particle accelerators for use in radioisotope power systems and nuclear batteries

ARTUN OZAN

Nuclear Instruments and Methods in Physics Research B Volume 512 pages: 12 - 20 | 2022

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SCI-Expanded

### Accelerator Production Method in $^{140}\text{Nd}/^{140}\text{Pr}$ Radioisotope Generator Based on Electron Capture

ARTUN OZAN

Brazilian Journal of Physics Volume 51 pages: 592 - 598 | 2021

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SCI-Expanded

## Neutron Matter and Interactions for Ni nuclei in a Supernova 1987A

ARTUN OZAN

New Astronomy Volume 89 pages: 101653 - | 2021

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SCI-Expanded

## Neutron Structure Properties of Titanium in a Supernova

ARTUN OZAN

Physics of Atomic Nuclei Volume 84 issue 6 pages: 837 - 848 | 2021

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SCI-Expanded

## Estimation of fission yield and cross-section for thorium-based molten salt reactor and accelerator driven system

ARTUN OZAN

Modern Physics Letter A Volume 36 issue 21 pages: 2150147 - | 2021

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SCI-Expanded

## Production calculation of medical $^{67}\text{Ga}$ , $^{111}\text{In}$ , $^{117\text{m}}\text{Sn}$ , $^{131}\text{I}$ , $^{125}\text{I}$ , $^{123}\text{I}$ , $^{133}\text{Xe}$ , $^{153}\text{Sm}$ , $^{159}\text{Gd}$ , $^{188}\text{Re}$ and $^{201}\text{Tl}$ nuclei used for cancer diagnostics in single photon emission computed tomography via theoretical models

ARTUN OZAN

International Journal of Modern Physics E Volume 29 | 2020

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SCI-Expanded

## Production of energetic $^{232}\text{U}$ , $^{236}\text{Pu}$ , $^{238}\text{Pu}$ , $^{242}\text{Cm}$ , $^{248}\text{Bk}$ , $^{250}\text{Cf}$ , $^{252}\text{Cf}$ and $^{252}\text{Es}$ radioisotopes for use as nuclear battery in thin targets via particle accelerators

ARTUN OZAN

Applied Radiation and Isotopes Volume 166 | 2020

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SCI-Expanded

## Neutron Skin, Central Depletion, Neutron-Proton Interaction Effects and 2pF Parameterization for Zr in Neutron Stars

ARTUN OZAN

Brazilian Journal of Physics Volume 50 | 2020

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SCI-Expanded

## Nuclear structure properties in neutron stars

ARTUN OZAN

International Journal of Modern Physics E Volume 29 | 2020

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SCI-Expanded

## Investigation of some nuclear structure properties of $^{213}\text{Bi}$ , $^{201}\text{Tl}$ , $^{188}\text{Re}$ , $^{186}\text{Re}$ , $^{133}\text{Xe}$ , $^{131}\text{I}$ , $^{125}\text{I}$ , $^{123}\text{I}$ , $^{111}\text{In}$ , $^{94}\text{Tc}$ , $^{90}\text{Y}$ , $^{67}\text{Ga}$ , $^{67}\text{Cu}$ , $^{62}\text{Cu}$ , $^{61}\text{Cu}$ , $^{55}\text{Co}$ , and $^{48}\text{V}$ nuclei used in SPECT in axial deformation

ARTUN OZAN

Turkish Journal of Physics Volume 44 | 2020

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SCI-Expanded

## Production of Polonium-208, 209 and 210 for use in nuclear battery via particle accelerator

ARTUN OZAN

Applied Physics A Volume 126 | 2020

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SCI-Expanded

## The $(n, \gamma)$ reaction productions of $^{35}\text{S}$ , $^{42}\text{Ar}$ , $^{45}\text{Ca}$ , $^{63}\text{Ni}$ , $^{85}\text{Kr}$ , $^{89}\text{Sr}$ , $^{113\text{m}}\text{Cd}$ , $^{121\text{m}}\text{I}$ , $^{123}\text{Sn}$ , $^{147}\text{Pm}$ , $^{151}\text{Sm}$ , $^{152}\text{Eu}$ , $^{154}\text{Eu}$ , $^{155}\text{Eu}$ , $^{170}\text{Tm}$ , $^{171}\text{Tm}$ , $^{185}\text{W}$ , $^{188}\text{W}$ , $^{194}\text{Os}$ , $^{204}\text{Tl}$ , $^{210}\text{Po}$ , $^{227}\text{Ac}$ , $^{242}\text{Cm}$ , $^{244}\text{Cm}$ radioisotopes for using in nuclear battery via phenomenological and microscopic level density models

ARTUN OZAN

International Journal of Modern Physics E Volume 28 | 2019

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SCI-Expanded

## Investigation of production of samarium-151 and europium-152,154,155 via particle accelerator

ARTUN OZAN

Modern Physics Letters A Volume 34 | 2019

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PubMed

## An application and importance of production of medical radioisotopes used in cancer therapy and diagnosis

ARTUN OZAN

Medical Research and Innovations Volume 3 | 2019

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SCI

## Calculation of productions of medical $^{201}\text{Pb}$ , $^{198}\text{Au}$ , $^{186}\text{Re}$ , $^{111}\text{Ag}$ , $^{103}\text{Pd}$ , $^{90}\text{Y}$ , $^{89}\text{Sr}$ , $^{77}\text{Kr}$ , $^{77}\text{As}$ , $^{67}\text{Cu}$ , $^{64}\text{Cu}$ , $^{47}\text{Sc}$ and $^{32}\text{P}$ nuclei used in cancer therapy via phenomenological and microscopic level density models

ARTUN OZAN

APPLIED RADIATION AND ISOTOPES Volume 144 pages: 64 - 79 | 2019

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SCI-Expanded

## Estimation of Mass Stopping Power and Range via a New Computer Program X-PMSP

ARTUN OZAN

Iranian Journal of Science and Technology Transaction A-Science Volume 43 issue 2 pages: 639 - 643 | 2019

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SCI-Expanded

## A study of some nuclear structure properties of $^{11}\text{C}$ , $^{13}\text{N}$ , $^{15}\text{O}$ , $^{18}\text{F}$ , $^{52}\text{Mn}$ , $^{52}\text{Fe}$ , $^{60}\text{Cu}$ , $^{62}\text{Zn}$ , $^{63}\text{Zn}$ , $^{66}\text{Ga}$ , $^{68}\text{Ga}$ , $^{76}\text{Br}$ , $^{81}\text{Rb}$ , $^{82}\text{Rb}$ , $^{82}\text{Sr}$ , $^{83}\text{Sr}$ , $^{86}\text{Y}$ , $^{89}\text{Zr}$ and $^{92}\text{Rb}$ nuclei used for PET in the axial deformation

ARTUN OZAN

INDIAN JOURNAL OF PHYSICS Volume 92 issue 11 pages: 1449 - 1460 | 2018

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SCI-Expanded

## Investigation of production of medical $^{82}\text{Sr}$ and $^{68}\text{Ge}$ for $^{82}\text{Sr}/^{82}\text{Rb}$ and $^{68}\text{Ge}/^{68}\text{Ga}$ generators via proton accelerator

ARTUN OZAN

Nuclear Science and Techniques Volume 29 issue 10 pages: 137 - 147 | 2018

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SCI

## Calculation of productions of PET radioisotopes via phenomenological level density models

ARTUN OZAN

RADIATION PHYSICS AND CHEMISTRY Volume 149 pages: 73 - 83 | 2018

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SCI

## Calculation of the mass stopping powers of medical, chemical, and industrial compounds and mixtures

ARTUN OZAN

Nuclear Technology Radiation Protection Volume 33 issue 4 | 2018

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SCI

## A study of nuclear structure properties of even and odd $^{103-140}\text{Sb}$ , $^{105-143}\text{Te}$ , $^{107-145}\text{I}$ , $^{109-148}\text{Xe}$ and $^{112-151}\text{Cs}$ nuclei in the axial deformation

ARTUN OZAN

INTERNATIONAL JOURNAL OF MODERN PHYSICS E-NUCLEAR PHYSICS  
Volume 27 issue 08 pages: 1850070 - | 2018

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SCI

## Estimation of the production of medical $^{225}\text{Ac}$ on thorium material via proton accelerator

ARTUN OZAN

Applied Radiation and Isotopes Volume 127 pages: 166 - 172 | 2017

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SCI

## Investigation of the production of cobalt-60 via particle accelerator

ARTUN OZAN

Nuclear Technology Radiation Protection Volume 32 issue 4 pages: 327 - 333 | 2017

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SCI

## Investigation of excitation functions of proton-induced reactions on $^{94,96,98,100}\text{Mo}$ targets for production of radioisotopes $^{94\text{m}},^{94\text{g}},^{96\text{m}},^{96\text{g}},^{96,99\text{m}}\text{Tc}$

AYTEKİN HÜSEYİN , ARTUN OZAN

TURKISH JOURNAL OF PHYSICS Volume 41 pages: 295 - 302 | 2017

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SCI

## A study of nuclear structure for $^{244}\text{Cm}$ , $^{241}\text{Am}$ , $^{238}\text{Pu}$ , $^{210}\text{Po}$ , $^{147}\text{Pm}$ , $^{137}\text{Cs}$ , $^{90}\text{Sr}$ and $^{63}\text{Ni}$ nuclei used in nuclear battery

ARTUN OZAN

Modern Physics Letters A Volume 32 issue 22 pages: 1750117 - | 2017

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SCI-Expanded

## Investigation of the production of promethium-147 via particle accelerator

ARTUN OZAN

Indian Journal of Physics Volume 91 issue 8 pages: 909 - 914 | 2017

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EI: Engineering Index

## Investigation of the Nuclear Structure Properties of $^{60}\text{Co}$ via Phenomenological Approach

ARTUN OZAN

Cumhuriyet Science Journal Volume 38 issue 4 pages: 98 - 104 | 2017

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SCI

## Calculation of excitation functions of proton, alpha and deuteron induced reactions for production of medical radioisotopes 122-125I

ARTUN OZAN , AYTEKİN HÜSEYİN

Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms Volume 345 pages: 1 - 8 | 2015

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SCI

## An investigation of nuclear properties of even-even natural 92-100Mo isotopes

ARTUN OZAN , AYTEKİN HÜSEYİN

Modern Physics Letters A Volume 29 issue 39 pages: 1450208 - | 2014

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SCI

## Investigation of excitation functions for (n, 2n) reactions on some samarium, europium and gadolinium isotopes in the mass region $144 \leq A \leq 160$

BALDIK RIDVAN , AYTEKİN HÜSEYİN , ARTUN OZAN

Modern Physics Letters A Volume 29 issue 14 pages: 1450074 - | 2014

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SCI-Expanded

## Electrical Behavior of Probertite by Dielectric Spectroscopy

OKUTAN MUSTAFA , YALÇIN ZEYNEL , İÇELLİ ORHAN , Ay Fatih , BONCUKCUOĞLU RECEP , ARTUN OZAN , Delipinar Didem

High Temperature Materials and Processes Volume 33 issue 6 pages: 545 - 552 | 2014

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SCI

## An investigation of the nuclear structures of even-even neutron rich Sr, Zr and Mo isotopes

AYTEKİN HÜSEYİN , ARTUN OZAN

Modern Physics Letters A Volume 28 issue 05 pages: 1350007 - | 2013

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SCI

Cross section calculations of proton induced (p,n) and (p,2n) reactions for production of diagnostic  $^{67}\text{Ga}$ ,  $^{81}\text{Rb}$ ,  $^{111}\text{In}$ ,  $^{123}\text{I}$ ,  $^{123}\text{Cs}$  and  $^{123}\text{Xe}$  radioisotopes

AYTEKİN HÜSEYİN , ARTUN OZAN , BALDIK RIDVAN

Journal of Radioanalytical and Nuclear Chemistry Volume 298 issue 1 pages: 95 - 103 | 2013

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SCI

A different perspective to the effective atomic number ( $Z_{\text{eff}}$ ) for some boron compounds and trommel sieve waste (TSW) with a new computer program ZXCOM

YALÇIN ZEYNEL , İÇELLİ ORHAN , OKUTAN MUSTAFA , BONCUKCUOĞLU RECEP , ARTUN OZAN , ORAK SALİM

Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment Volume 686 pages: 43 - 47 | 2012

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BİLDİRİLER

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## ULUSLARARASI

Özet bildiri

Tipta teshis ve tedavide kullanılan bazı radyoizotopların üretilmesinde rol oynayan (p,n) (p,2n) ve (n,2n) tipi nukleer reaksiyonların uyarılma fonksiyonlarının incelenmesi

ARTUN OZAN , AYTEKİN HÜSEYİN

Turkish Physics Society 30th International Congress

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Özet bildiri

Investigation of nuclear properties of even even fusion structural Mo isotopes

ARTUN OZAN , AYTEKİN HÜSEYİN

Turkish Physics Society 29th International Congress

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Özet bildiri

## An investigation of proton induced p n reactions for production of medical radioisotopes $^{67}\text{Ga}$ $^{123}\text{I}$ and $^{124}\text{I}$

ARTUN OZAN , AYTEKİN HÜSEYİN

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology

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Özet bildiri

## Calculation of excitation functions of proton and deuteron induced reactions on Tellerium isotopes for medical radioisotopes

ARTUN OZAN , AYTEKİN HÜSEYİN

5th Symposium on Medical Radioisotopes 2015-2020

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Özet bildiri

## Calculation of excitation functions of proton and deuteron induced reactions on natural Mo isotopes

ARTUN OZAN , AYTEKİN HÜSEYİN

VII. International Workshop on Nuclear Structure Properties

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Poster

## Dielectric Constant and Dissipation Factor Measurement of Propertit Powders by Dielectric Spectroscopy

YALÇIN ZEYNEL , OKUTAN MUSTAFA , İÇELLİ ORHAN , ARTUN OZAN

17th International Symposium on Boron, Borides and Related Materials

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Poster

## Investigation of excitation functions of proton and alpha induced reactions on even even $^{94}\text{Mo}$ $^{100}\text{Mo}$ isotopes for medical radioisotopes

AYTEKİN HÜSEYİN , ARTUN OZAN

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology

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Poster

## Investigation of excitation functions of proton and alpha induced reactions on even even 94 100Mo isotopes for medical radioisotopes

AYTEKİN HÜSEYİN , ARTUN OZAN

5th Symposium on Medical Radioisotopes 2015-2020 production and transportation challenges

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Özet bildiri

## The Production of Neodymium-147 Radioisotope in Particle Accelerators

ARTUN OZAN

International Marmara Sciences Congress

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Özet bildiri

## PRODUCTION OF MEDICAL RADIUM-223 VIA NUCLEAR REACTIONS

ARTUN OZAN

TURKISH PHYSICAL SOCIETY 38TH INTERNATIONAL PHYSICS CONGRESS

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## ULUSAL

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### PROJELER

Diğer kamu kuruluşları (Yükseköğretim Kurumları hariç) | Nationally Supported

## Dijital Oyun Stüdyosu

Devam Ediyor

Start 2022

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Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi | Nationally Supported

## Yapay Zeka ve Veri Bilimi Tekniklerinin Atom Çekirdeklerindeki Uygulamaları

Devam Ediyor

Start 2024

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### KİTAPLAR

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Bilimsel Kitap

Bölüm : Introductory Chapter: Accelerators and Colliders

## Accelerators and Colliders

ARTUN OZAN  
2020, Intechopen, LONDRA

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Bilimsel Kitap

Bölüm : Investigation of the Production of Medical Ir-192 Used in Cancer  
Therapy via Particle Accelerator

## Accelerators and Colliders

ARTUN OZAN  
2020, Intechopen, LONDRA

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Bilimsel Kitap

Bölüm : None

## Accelerators and Colliders

ARTUN OZAN  
2020, Intechopen, LONDRA

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Bilimsel Kitap

Bölüm : Introductory chapter: Ion Beam Technology and Applications

## Ion Beam Technology and Applications

ARTUN OZAN  
2023, Intechopen, Londra

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Bilimsel Kitap

Bölüm : None

## Ion Beam Technology and Applications

ARTUN OZAN  
2023, Intechopen, Londra

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ZONGULDAK BÜLENT ECEVİT ÜNİVERSİTESİ

Fen-Edebiyat Fakültesinde En fazla Yayın Yapan Öğretim Üyesi  
Birinciliği

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ZONGULDAK BÜLENT ECEVİT ÜNİVERSİTESİ

Fen-Edebiyat Fakültesinde En fazla Yayın Yapan Öğretim Üyesi  
İkinciliği Ödülü

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ZONGULDAK BÜLENT ECEVİT ÜNİVERSİTESİ

Fen-Edebiyat Fakültesinde En fazla Yayın Yapan Öğretim Üyesi  
Üçüncülüğü Ödülü

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BAŞBAKANLIK

YÖK Akademik Teşvik Ödülü

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YÖK Akademik Teşvik Ödülü

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BAŞBAKANLIK

YÖK Akademik Teşvik Ödülü

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TÜBİTAK

Yayın Teşvik Ödülü

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YAYIN TEŞVİK

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TÜBİTAK

YAYIN TEŞVİK

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YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

YÖK Akademik Teşvik

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YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

YÖK Akademik Teşvik

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YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

YÖK Akademik Teşvik

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YÜKSEKÖĞRETİM KURULU BAŞKANLIĞI

YÖK Akademik Teşvik

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## İDARİ GÖREVLER

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Bölüm Başkanı

• 2024 - 2027

BİLGİSAYAR MÜH.

Anabilim Dalı Başkanı

• 2024 - 2027

Bilgisayar Yazılımı

Bölüm Başkan Yardımcısı

• 2023 - 2024

FİZİK BÖLÜMÜ

Bölüm Başkan Yardımcısı

• 2023 - 2024

FİZİK BÖLÜMÜ

Anabilim Dalı Başkanı

• 2023 - 2024

YÜKSEK ENERJİ VE PLAZMA FİZİĞİ

Anabilim Dalı Başkanı

• 2023 - 2024

YÜKSEK ENERJİ VE PLAZMA FİZİĞİ

KURUM DIŞI  
DENEYİM

OA GAME STUDIO YAZILIM SANAYİ VE TİCARET LİMİTED ŞİRKETİ

GENEL MÜDÜR

Start 2022

EDİTÖRLÜK

Uluslararası - Kitap

Accelerators and Colliders

ARTUN OZAN

Editör - None

2020

Uluslararası - Kitap

Ion Beam Technology and Applications

ARTUN OZAN

Editör - None

2023

Uluslararası - Kitap

Adli Bilimlerde Ses İncelemeleri

ARTUN OZAN

Editör - None

2024



Uluslararası - Kitap

## Nuclear Structure and Material Science Applications

ARTUN OZAN  
Editör - None  
2024

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TASARIM

Uluslararası - Bilimsel Tasarım

## X Particle Mass Stopping Power (X-PMSP) 1.0 Paket Programı

OZAN ARTUN  
Bilimsel yayınlara tescillenmiş  
2017-01-01, None

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Uluslararası - Bilimsel Tasarım

## X Particle Mass Stopping Power (X-PMSP) 2.0 Paket Programı

OZAN ARTUN  
Bilimsel yayınlara tescillenmiş  
2018-01-01, None

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