

## Prof. Yüksel ÖZDEMİR



### Personal Information

**Other Email:** yozdemir25@yahoo.com

**Web:** <https://avesis.atauni.edu.tr/yozdemir>

### International Researcher IDs

ScholarID: UGE\_mJEAAAAJ

ORCID: 0000-0003-3684-6254

Yoksis Researcher ID: 12129



### Education Information

Doctorate, Ataturk University, Fen Fakültesi, Turkey 2000 - 2003

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Turkey 1996 - 1999

Undergraduate, Ataturk University, Turkey 1991 - 1995

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Foton uyarımlı L3-alttabakasından M-tabakasına boşluk geçiş ihtimallerinin ve flüoresans x-ışınlarının açısız dağılımının ölçülmesi ve anizotropi parametrelerinin tayini, Ataturk University, Fen Fakültesi, Fizik, 2003

Postgraduate, 60 KeV'lik fotonlarla uyarılmış Z=24-92 aralığındaki elementlerin K ve LX ışını floresans tesir kesitleri ve floresans verimleri, Ataturk University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 1999

### Research Areas

Physics, Atomic and Molecular Physics, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Fizik, 2013 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Fizik, 2008 - 2013

Research Assistant, Ataturk University, Fen Fakültesi, Fizik, 1999 - 2003

### Academic and Administrative Experience

Head of Department, Ataturk University, Fen Fakültesi, Fizik, 2018 - 2023

Dean, Ataturk University, Fen Fakültesi, 2017 - 2018

Atatürk Üniversitesi, Horasan Meslek Yüksekokulu, 2009 - 2016

Director of the Center, Ataturk University, Fen Fakültesi, Fizik, 2005 - 2008

Deputy Director of the Center, Ataturk University, Fen Fakültesi, Fizik, 2003 - 2005

## Courses

Fizik I, Undergraduate, 2023 - 2024

## Advising Theses

ÖZDEMİR Y., Bazı biyoaktif bileşiklerin radyasyonla etkileşim parametrelerinin incelenmesi, Postgraduate, H.İLHAN(Student), 2019

ÖZDEMİR Y., Ni, Fe, Co TABANLI SÜPER ALAŞIMLARIN RADYASYON ZIRHLAMA KABİLİYETLERİNİN KARŞILAŞTIRILMASI, Postgraduate, Z.İŞİK(Student), 2019

ÖZDEMİR Y., LANTANİTLERDE X-IŞINI BAĞIL ŞİDDETLERİNE SICAKLIĞIN ETKİSİNİN İNCELENMESİ, Doctorate, E.CİNAN(Student), 2018

ÖZDEMİR Y., 3d ve bazı 4d geçiş metallerinin K x-ışını şiddet oranlarının ve xrf parametrelerinin sıcaklığa bağlı incelenmesi, Doctorate, E.Kavaz(Student), 2016

ÖZDEMİR Y., X-ışını haritalama tekniği ile numunelerin haritalanması, Doctorate, N.AHMADİ(Student), 2016

ÖZDEMİR Y., Bazı bileşiklerde foton çoğalma faktörünün saçılma açısı ve numune kalınlığı ile değişiminin incelenmesi, Doctorate, A.LEVET(Student), 2011

ÖZDEMİR Y., Bazı çoklu element yapıdaki maddelerin foton etkileşimi, foton enerji soğurması, foton kuvvetlendirme faktörü ve hızlı nötron azaltma tesir kesitleri açısından incelenmesi, Doctorate, M.KURUDİREK(Student), 2011

Özdemir Y., İndüktif eşleşmiş plazma- optik emisyon spektroskopisi (ICP-OES) tekniği ile dış numunelerinin elemental analizleri, Postgraduate, D.ALP(Student), 2011

ÖZDEMİR Y., WDXRF spektroskopisi tekniğiyle normal doğumlardan, preeklemsi doğumlardan ve ölü doğumlardan alınan plasenta numunelerinin elemental analizleri, Postgraduate, A.LEVET(Student), 2007

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

- I. **Determination of the effect of temperature on relative L X-ray intensity ratio of gadolinium, dysprosium and erbium**  
CİNAN E., ERTUĞRUL M., AYĞÜN B., Sayyed M., KURUCU Y., ÖZDEMİR Y.  
RADIATION PHYSICS AND CHEMISTRY, vol.183, 2021 (SCI-Expanded)
- II. **Measurement of L X-ray production cross sections and relative intensities of some lanthanide compounds depending on the temperature**  
CİNAN E., Aygün B., SAYYED M., ÖZDEMİR Y.  
RADIOCHIMICA ACTA, vol.108, no.5, pp.415-423, 2020 (SCI-Expanded)
- III. **An experimental study on the investigation of nuclear radiation shielding characteristics in iron-boron alloys**  
Levet A., Kavaz E., Özdemir Y.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.819, 2020 (SCI-Expanded)
- IV. **A device for X-Ray elemental mapping using annular radioisotope source**  
Ahmadi N., Kavaz E., Ertuğrul M., Özdemir Y.  
X-Ray Spectrometry, vol.46, pp.486-491, 2017 (SCI-Expanded)
- V. **Evaluation of Mineral Content and Photon Interaction Parameters of Dental Enamel After Phosphoric Acid and Er:YAG Laser Treatment**  
ŞİMŞEK h., gürbüz t., BÜYÜK S. K., ÖZDEMİR Y.

PHOTOMEDICINE AND LASER SURGERY, vol.35, no.5, pp.270-277, 2017 (SCI-Expanded)

- VI. **Determination of effective atomic numbers, effective electrons numbers, total atomic cross-sections and buildup factor of some compounds for different radiation sources**  
Levet A., Özdemir Y.  
RADIATION PHYSICS AND CHEMISTRY, vol.130, pp.171-176, 2017 (SCI-Expanded)
- VII. **Investigation of K X-ray intensity ratios of some 4d transition metals depending on the temperature**  
Özdemir Y., Kavaz E., Ahmađı N., Ertuđrul M., Ekinci N.  
Applied Radiation and Isotopes, vol.115, pp.147-154, 2016 (SCI-Expanded)
- VIII. **Determination of energy absorption and exposure buildup factors by using G-P fitting approximation for radioprotective agents**  
KAVAZ E., PERISANOGLU U., EKİNCİ N., ÖZDEMİR Y.  
International Journal of Radiation Biology, vol.92, no.7, pp.380-387, 2016 (SCI-Expanded)
- IX. **Photon buildup factors of some chemotherapy drugs**  
Kavaz E., Ahmadishadbad N., Özdemir Y.  
Biomedicine and Pharmacotherapy, vol.69, pp.34-41, 2015 (SCI-Expanded)
- X. **Micro-chemical and radiological characterization using gamma-spectrometry and WDXRF spectrometry and annual effective dose of cigarette tobaccos**  
Sogot O., Kocaer A. F., Zorer O. S., Özdemir Y., Dogru M.  
MICROCHEMICAL JOURNAL, vol.115, pp.19-26, 2014 (SCI-Expanded)
- XI. **A study of the energy absorption and exposure buildup factors of some anti-inflammatory drugs**  
Ekinci N., Kavaz E., Özdemir Y.  
Applied Radiation and Isotopes, vol.90, pp.265-273, 2014 (SCI-Expanded)
- XII. **Analysis of some Pb, Th and U compounds in terms of photon interaction, photon energy absorption and fast neutron attenuation**  
KURUDİREK M., ÖZDEMİR Y., El-Khayatt A. M.  
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.8, pp.855-862, 2011 (SCI-Expanded)
- XIII. **L-shell polarization and alignment of heavy elements induced by 59.54keV photons**  
ÖZDEMİR Y., DURAK R., KACAL M., KURUDİREK M.  
Applied Radiation and Isotopes, vol.69, no.7, pp.991-995, 2011 (SCI-Expanded)
- XIV. **L-shell polarization and alignment of heavy elements induced by 59.54 keV photons**  
Özdemir Y., Durak R., Kaçal M. R., Kurudirek M.  
Applied Radiation And Isotopes, vol.69, pp.991-995, 2011 (SCI-Expanded)
- XV. **Analysis of some Earth, Moon and Mars samples in terms of gamma ray energy absorption buildup factors: Penetration depth, weight fraction of constituent elements and photon energy dependence**  
KURUDİREK M., Dogan B., ÖZDEMİR Y., Moreira A. C., Appoloni C. R.  
RADIATION PHYSICS AND CHEMISTRY, vol.80, no.3, pp.354-364, 2011 (SCI-Expanded)
- XVI. **Energy absorption and exposure buildup factors for some polymers and tissue substitute materials: photon energy, penetration depth and chemical composition dependence**  
KURUDİREK M., ÖZDEMİR Y.  
JOURNAL OF RADIOLOGICAL PROTECTION, vol.31, no.1, pp.117-128, 2011 (SCI-Expanded)
- XVII. **Gamma-ray energy absorption and exposure buildup factor studies in some human tissues with endometriosis**  
KURUDİREK M., DOGAN B., İNGEÇ M., EKİNCİ N., ÖZDEMİR Y.  
Applied Radiation and Isotopes, vol.69, no.2, pp.381-388, 2011 (SCI-Expanded)
- XVIII. **A comprehensive study on energy absorption and exposure buildup factors for some essential amino acids, fatty acids and carbohydrates in the energy range 0.015-15 MeV up to 40 mean free path**  
KURUDİREK M., ÖZDEMİR Y.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.269, no.1, pp.7-19, 2011 (SCI-Expanded)
- XIX. **Comparison of some lead and non-lead based glass systems, standard shielding concretes and**

**commercial window glasses in terms of shielding parameters in the energy region of 1 keV-100 GeV**

**A comparative study**

Kurudirek M., Özdemir Y., Şimşek Ö., Durak R.

JOURNAL OF NUCLEAR MATERIALS, vol.407, no.2, pp.110-115, 2010 (SCI-Expanded)

- XX. **A study of chemical composition and radiation attenuation properties in clinoptilolite-rich natural zeolite from Turkey**  
KURUDİREK M., Ozdemir Y., TÜRKMEN İ., LEVET A.  
RADIATION PHYSICS AND CHEMISTRY, vol.79, no.11, pp.1120-1126, 2010 (SCI-Expanded)
- XXI. **Quantitative EDXRF analysis of Ca, K, Mn and Na in normal and pathological adult-human teeth**  
ÖZDEMİR Y., BAYINDIR Y. Z., DURNA D., DURAK R.  
Journal of X-Ray Science and Technology, vol.18, no.2, pp.193-199, 2010 (SCI-Expanded)
- XXII. **Effective atomic number study of various alloys for total photon interaction in the energy region of 1 keV-100 GeV**  
KURUDİREK M., Buyukyildiz M., ÖZDEMİR Y.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, vol.613, no.2, pp.251-256, 2010 (SCI-Expanded)
- XXIII. **Determination of effective atomic numbers in some compounds for photoelectric process at 59.54 keV by using different methods**  
KURUDİREK M., ÖZDEMİR Y.  
JOURNAL OF X-RAY SCIENCE AND TECHNOLOGY, vol.18, no.2, pp.183-191, 2010 (SCI-Expanded)
- XXIV. **A study of total mass attenuation coefficients, effective atomic numbers and electron densities for various organic and inorganic compounds at 59.54 keV**  
ÖZDEMİR Y., KURUDİREK M.  
ANNALS OF NUCLEAR ENERGY, vol.36, pp.1769-1773, 2009 (SCI-Expanded)
- XXV. **Assessment of trace element concentration distribution in human placenta by wavelength dispersive X-ray fluorescence: Effect of neonate weight and maternal age**  
ÖZDEMİR Y., BÖREKÇİ B., LEVET A., KURUDİREK M.  
APPLIED RADIATION AND ISOTOPES, vol.67, no.10, pp.1790-1795, 2009 (SCI-Expanded)
- XXVI. **A study of photon interaction in some building materials: High-volume admixture of blast furnace slag into Portland cement**  
KURUDİREK M., Turkmen I., Ozdemir Y.  
RADIATION PHYSICS AND CHEMISTRY, vol.78, no.9, pp.751-759, 2009 (SCI-Expanded)
- XXVII. **Calculation of radiation attenuation coefficients in Portland cements mixed with silica fume, blast furnace slag and natural zeolite**  
Turkmen I., ÖZDEMİR Y., KURUDİREK M., Demir F., ŞİMŞEK Ö., Demirboga R.  
ANNALS OF NUCLEAR ENERGY, vol.35, no.10, pp.1937-1943, 2008 (SCI-Expanded)
- XXVIII. **Angular dependence from L3-subshell to M-shell vacancy transfer probabilities for heavy elements using EDXRF technique**  
ÖZDEMİR Y., DURAK R.  
Annals of Nuclear Energy, vol.35, no.7, pp.1335-1339, 2008 (SCI-Expanded)
- XXIX. **Evaluation of root canal dentin after Nd : YAG laser irradiation and treatment with five different irrigation solutions: A preliminary study**  
Gurbuz T., ÖZDEMİR Y., Kara N., Zebir C., KURUDİREK M.  
JOURNAL OF ENDODONTICS, vol.34, no.3, pp.318-321, 2008 (SCI-Expanded)
- XXX. **Protective effects of amlodipine and lacidipine on ovariectomy-induced bone loss in rats**  
Halici Z., BOREKCI B., OZDEMIR Y., CADIRCI E., SULEYMAN H.  
EUROPEAN JOURNAL OF PHARMACOLOGY, vol.579, no.1-3, pp.241-245, 2008 (SCI-Expanded)
- XXXI. **Differential and total M-shell X-ray production cross-sections of some selected elements between Au and U at 5.96 keV**  
Ozdemir Y.  
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH

MATERIALS AND ATOMS, vol.256, no.2, pp.581-585, 2007 (SCI-Expanded)

- XXXII. **Comparative quantitative analysis of sodium, magnesium, potassium and calcium in healthy cuttlefish backbone and non-pathological human elbow bone**  
YILDIRIM Ö. S., Okumus Z., KIZILKAYA M., ÖZDEMİR Y., DURAK R., OKUR A.  
CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, vol.52, no.5, pp.270-275, 2007 (SCI-Expanded)
- XXXIII. **Measurement of angular dependence from L3-subshell to M-shell vacancy transfer probabilities for the elements in the atomic region  $71 \leq Z \leq 78$**   
ÖZDEMİR Y., DURAK R., Esmer K., ERTUĞRUL M.  
Journal of Quantitative Spectroscopy and Radiative Transfer, vol.90, no.2, pp.161-168, 2005 (SCI-Expanded)
- XXXIV. **Measurement of L-subshell fluorescence yield ratios ( $\omega(1)/\omega(2)$ ,  $\omega(1)/\omega(3)$  and  $\omega(2)/\omega(3)$ ) of some elements between cesium and uranium**  
ÖZDEMİR Y.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.83, pp.295-301, 2004 (SCI-Expanded)
- XXXV. **Qualitative and quantitative analysis of sciatic nerves in adult rats by repeated intraperitoneal administration of paclitaxel (taxol) using a radioisotope EDXRF technique**  
Iyigün I., ÖZDEMİR Y., DURAK R.  
Instrumentation Science and Technology, vol.31, no.3, pp.295-303, 2003 (SCI-Expanded)
- XXXVI. **Qualitative and quantitative analysis of bones in adult rats by repeated intraperitoneal administration of paclitaxel (taxol) using radioisotope EDXRF technique**  
Ozdemir Y., Iyigun I., Durak R.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.78, pp.455-461, 2003 (SCI-Expanded)
- XXXVII. **Qualitative and quantitative analysis of pathological and non-pathological human bone using radioisotope X-ray fluorescence technique**  
OKUR A., ÖZDEMİR Y., DURAK R.  
Journal of Quantitative Spectroscopy and Radiative Transfer, vol.78, no.1, pp.55-60, 2003 (SCI-Expanded)
- XXXVIII. **Photon-induced L-subshell Auger yields for some elements in the atomic number range  $55 \leq z \leq 92$  using a S(Li) detector**  
ÖZDEMİR Y.  
RADIATION PHYSICS AND CHEMISTRY, vol.66, no.5, pp.317-322, 2003 (SCI-Expanded)
- XXXIX. **L-subshell fluorescence yields ( $2\omega_1$ ,  $\omega_2$  and  $\omega_3$ ) for elements in the atomic range  $55 \leq Z \leq 68$  with a Si(Li) detector**  
ÖZDEMİR Y., DURAK R.  
Journal of Quantitative Spectroscopy and Radiative Transfer, vol.77, no.1, pp.95-103, 2003 (SCI-Expanded)
- XL. **Determination of concentrations of human bone around titanium and stainless steel with an energy-dispersive x-ray fluorescence technique**  
ÖZDEMİR Y., Okur A., Tath L., DURAK R.  
Instrumentation Science and Technology, vol.31, no.1, pp.77-84, 2003 (SCI-Expanded)
- XLI. **K-shell X-ray production cross-sections and fluorescence yields in some medium-Z elements**  
ÖZDEMİR Y., DURAK R., ÖZ E.  
Radiation Physics and Chemistry, vol.65, no.3, pp.199-204, 2002 (SCI-Expanded)
- XLII. **Measurement of K alpha to L alpha and K beta to L beta intensity ratios of seven elements in the atomic number range  $56 \leq Z \leq 66$  using photoionization at 59.54 keV**  
Durak R., Ozdemir Y., Sahin Y.  
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.70, no.3, pp.333-340, 2001 (SCI-Expanded)
- XLIII. **Measurement of  $L\alpha/L\ell$ ,  $L\alpha/L\beta$  and  $L\alpha/L\gamma$  X-ray intensity ratios for elements in the atomic range  $57 \leq Z \leq 92$  using radioisotope X-ray fluorescence**  
DURAK R., ÖZDEMİR Y.  
Physics Letters, Section A: General, Atomic and Solid State Physics, vol.284, no.1, pp.43-48, 2001 (SCI-Expanded)
- XLIV. **Photon-induced M-shell X-ray production cross-sections and fluorescence yields in heavy elements**

at 5.96 keV

DURAK R., ÖZDEMİR Y.

Spectrochimica Acta - Part B Atomic Spectroscopy, vol.56, no.4, pp.455-464, 2001 (SCI-Expanded)

- XLV. **Measurement of K-shell fluorescence cross-sections and yields of 14 elements in the atomic number range  $25 \leq Z \leq 47$  using photoionization**  
Durak R., Özdemir Y.  
RADIATION PHYSICS AND CHEMISTRY, vol.61, no.1, pp.19-25, 2001 (SCI-Expanded)
- XLVI. **Measurement of atomic L shell Coster-Kronig yields ( $f_{12}$ ,  $f_{23}$  and  $f_{13}$ ) for some elements in the atomic number range  $59 \leq Z \leq 90$**   
Öz E., EKİNCİ N., ÖZDEMİR Y., ERTUĞRUL M., Şahin Y., Erdogan H.  
Journal of Physics B: Atomic, Molecular and Optical Physics, vol.34, no.4, pp.631-638, 2001 (SCI-Expanded)
- XLVII. **Experimental determination of L-subshell fluorescence yields for heavy elements at 59.54 keV**  
Durak R., Ozdemir Y.  
JOURNAL OF ANALYTICAL ATOMIC SPECTROMETRY, vol.16, no.10, pp.1167-1171, 2001 (SCI-Expanded)
- XLVIII. **X-ray fluorescence escape peaks in Ge(Li) detectors**  
Durak R., Ozdemir Y.  
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.29, no.3, pp.185-192, 2001 (SCI-Expanded)
- XLIX. **Measurement of atomic L shell fluorescence ( $\omega_{-1}$ %,  $\omega_{-2}$ %,  $\omega_{-3}$ %) and Auger ( $a_1$ ,  $a_2$  and  $a_3$ ) yields for some elements in the atomic number range  $59 \leq Z \leq 85$**   
Öz E., ÖZDEMİR Y., EKİNCİ N., ERTUĞRUL M., Şahin Y., Erdogan H.  
Spectrochimica acta, Part B: Atomic spectroscopy, vol.55, no.12, pp.1869-1877, 2000 (SCI-Expanded)
- L. **Measurement of K- to L- and M-shell radiative vacancy transfer probabilities in lanthanide elements by 59.54 keV photons**  
Özdemir Y., Durak R.  
X-Ray Spectrometry, vol.29, no.2, pp.151-154, 2000 (SCI-Expanded)
- LI. **Measurement of L $\alpha$ , L $\beta$  and L $\gamma$  X-ray production cross sections and average L shell fluorescence yields for elements in the atomic range  $70 \leq Z \leq 92$  at 59.54 keV**  
Ozdemir Y., Durak R.  
PHYSICA SCRIPTA, vol.62, no.1, pp.41-45, 2000 (SCI-Expanded)
- LII. **Measurement of K- to L- and M-shell radiative vacancy transfer probabilities in lanthanide elements by 59.54 keV photons**  
Durak R., Ozdemir Y.  
X-RAY SPECTROMETRY, vol.29, no.2, pp.151-154, 2000 (SCI-Expanded)
- LIII. **L $\alpha$ , L $\beta$  and L $\gamma$  X-ray production cross-sections and yields of some selected elements between caesium and erbium following ionization by 59.54 keV  $\gamma$  rays**  
DURAK R., ÖZDEMİR Y.  
Spectrochimica acta, Part B: Atomic spectroscopy, vol.55, no.2, pp.177-184, 2000 (SCI-Expanded)
- LIV. **K- to L- and M-shell radiative vacancy transfer probability measurements in some elements from Nd to Pb**  
Durak R., Ozdemir Y.  
JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, vol.31, no.16, pp.3575-3581, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Investigation of photon interaction properties of some ni-based superalloys Ni tabanlı bazı süperalaşımınların foton etkileşim özelliklerinin incelenmesi**  
Karadoğan Z. I., ÖZDEMİR Y., KAVAZ E.  
El-Cezeri Journal of Science and Engineering, vol.8, no.2, pp.552-566, 2021 (Scopus)
- II. **Calculation of photopeak efficiency of SI(LI) detector within the energyrange of 1-80 KeV**

KAVAZ E., EKİNCİ N., CİNAN E., ÖZDEMİR Y.

Journal of Baku Engineering University PHYSICS, 2017 (Peer-Reviewed Journal)

III. **Benzocyclobutene BCB 4022 35 Single Mode Rib Waveguides**

ORHAN E., EKİNCİ N., ÖZDEMİR Y., ERTUĞRUL M., ŞAHİN Y., ERDOĞAN H.

Lecture Notes on Photonics and Optoelectronics, vol.1, no.1, pp.14-17, 2013 (Peer-Reviewed Journal)

IV. **Angular dependence from L3-subshell M-Shell vacancy transfer probabilities for heavy elements using EDXRF technique**

Özdemir Y., Kurudirek M., Durak R., Ertuğrul M.

Balkan Physics Letter, vol.15, no.3, pp.123-125, 2008 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **BİR DEM HAYAT**

Özdemir Y.

Nobel Yayın Dağıtım, Ankara, 2022

II. **GİZEMLİ EVREN**

Özdemir Y.

NOBEL AKADEMİK YAYINCILIK, Ankara, 2021

III. **Türkiyenin Enerji Stratejisi**

Özdemir Y.

NOBEL AKADEMİK YAYINCILIK, Ankara, 2020

IV. **BİLİME YÖN VERENLER**

Özdemir Y.

Nobel Yayın Dağıtım, Ankara, 2018

V. **Vacancy Transfer Probability, Angular distribution and Anisotropy Parameters**

Özdemir Y.

Academia Verlag , Saarbrücken, 2014

VI. **Titreşim ve Dalgalar**

Özdemir Y.

Nobel Yayın Dağıtım, Ankara, 2011

VII. **Radiation Interaction with Blast Furnace Slag: A Comparative Study from the Point of Radiation Shielding**

KURUDİREK M., ÖZDEMİR Y., ELKHAYATT A. M.

in: Radiation Exposure in Medicine and the Environment Risks and Protective Strategies Chapter 4 Radiation Interaction with Blast Furnace Slag A Comparative Study from the Point of Radiation Shielding pp 75-96, Nicole E.

Parnell, Editor, Nova Science Publishers, pp.75-96, 2011

## Refereed Congress / Symposium Publications in Proceedings

I. **Measurements of Lx-ray production cross-section and ...**

CİNAN E., EKİNCİ N., ŞAKAR E., KURUCU Y., ÖZDEMİR Y.

3rd international conference materials science and technology., 17 - 19 September 2018

II. **Neutron Measurements for Ferro Boron Alloys and Experimental Determination of Radiation Properties**

Levet A., Cinan E., Kavaz E., Özdemir Y.

4th International Turkish Congress on Molecular Spectroscopy (TURCMOS2019), Aydın, Turkey, 5 - 09 August 2019, pp.43

III. **Analyzing XRF Parameters and Valence Electronic Structure of the Ti, Cr, and Co Metals Depending on Temperature**

KAVAZ E., ÖZDEMİR Y.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE PHYSICS, Ağrı, Turkey, 19 - 22 June 2019, pp.257-266

- IV. **An Investigation on Gamma Shielding Features of Commonly Used Cobalt Based Superalloys**  
IŞIK KARADOĞAN Z., KAVAZ E., ÖZDEMİR Y., LEVET A.  
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE PHYSICS, 19 - 22 June 2019
- V. **Comparison of Radiation Parameters of Stainless Steels 316L, 310, 304, 430 for Different Energies**  
Levet A., Cinan E., Kavaz E., Özdemir Y.  
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE PHYSICS, Ağrı, Turkey, 19 - 22 June 2019
- VI. **Co Tabanlı Süperalaşımın Radyasyon Zırhlama Özelliklerinin İncelenmesi**  
Işık Karadoğan Z., Kavaz E., Özdemir Y.  
ICANAS, Ağrı, Turkey, 19 - 22 June 2019, pp.284-302
- VII. **RADIATION ATTENUATION PROPERTIES OF GRAPHENE OXIDE(GO) MODIFIED POLY (METHYLENE BLUE) NANOCOMPOSITE THIN FILMS**  
EKİNCİ N., KAVAZ E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., LEVET A., ÖZDEMİR Y.  
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- VIII. **Effect of the temperature variation of Lx-ray...**  
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## **Non Academic Experience**

Atatürk Üniversitesi Horasan Meslek Yüksekokulu

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