

Prof. Rıdvan DURAK

Personal Information

Office Phone: [+90 442 231 4162](tel:+904422314162)

Fax Phone: [+90 442 231 4109](tel:+904422314109)

Email: rdurak@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/rdurak>

Address: Atatürk Üniversitesi Fen Fakültesi Fizik Bölümü 25240 Erzurum /Turkey

International Researcher IDs

ScholarID: 6Y

ORCID: 0000-0002-3935-176X

Publons / Web Of Science ResearcherID: I-3387-2014

ScopusID: 7004699177

Yoksis Researcher ID: 2006

Biography

Prof. Dr. Rıdvan Durak is a faculty member in the Physics Department of the Faculty of Science at Atatürk University where he has been a faculty member since 1987. Professor Dr. Rıdvan Durak is still the dean of the Faculty of Arts and Sciences at Ağrı İbrahim Çeçen University.

Durak completed his doctorate at Atatürk University. His research interests include X-ray and Gamma-rays, non-destructive sample analysis (qualitative and quantitative analysis), radiation detection, radiation dosimetry, X-ray fluorescence, radiation shielding, atomic parameters (cross sections, yields, mixing ratios, oscillator intensity, etc.). measurements.

In recent years, researches on the design and applicability of today's efficient, multifunctional and non-toxic light and high performance composite radiation shielding materials. She is still working as an editor for [Universal Journal of Materials Science \(USA\)](#), [Journal of Physics \(Canada\)](#) and [Eastern Anatolian Journal of Science \(Turkey\)](#).

Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Fizik, Atom Ve Molekül Fiziği, Turkey 1990 - 1994

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Fizik, Atom Ve Molekül Fiziği, Turkey 1988 - 1990

Undergraduate, Ataturk University, Fen Edebiyat Fakültesi, Fizik, Turkey 1980 - 1984

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, XRS'le yapılan analizlerde gözlenen temel sayma, escape, pile-up, satellite ve saçılma piklerinin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Atom Ve Molekül Fiziği, 1993

Postgraduate, Bazı alfa-pikleri ve ağır elementler bölgesindeki KB1,3,5-piklerinin spektral analizleri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Atom Ve Molekül Fiziği, 1990

Research Areas

Physics, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Atomic and Molecular Interactions, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Nuclear physics, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Fizik, 1987 - Continues

Academic and Administrative Experience

Dean, Agri Ibrahim Cecen University, Faculty Of Arts And Sciences, 2020 - 2023

ÜAK Member, Yükseköğretim Kurumu, 2017 - 2021

Dean, Agri Ibrahim Cecen University, Faculty Of Science And Letters, 2017 - 2020

Atatürk Üniversitesi, Fen Fakültesi, Fizik, 2015 - 2017

Head of Department, Ataturk University, Fen Fakültesi, Fizik, 2013 - 2017

Atatürk Üniversitesi, Fen Fakültesi, Fizik, 2009 - 2017

Atatürk Üniversitesi, Oltu Yer Bilimleri Fakültesi, 2010 - 2016

Atatürk Üniversitesi, Fen Fakültesi, Fizik, 2012 - 2015

Atatürk Üniversitesi, Yüksek Enerji Ve Plazma Fiziği Abd , 2009 - 2012

Atatürk Üniversitesi, Pasinler Myo , 2009 - 2012

Atatürk Üniversitesi, Tercan Myo, 2001 - 2007

Yüzüncü Yıl Üniversitesi, Tercan Myo, Fizik, 1994 - 1996

Courses

Fizik-II, Undergraduate, 2020 - 2021

Fizik, Undergraduate, 2020 - 2021

Genel Fizik, Undergraduate, 2020 - 2021

Fizik-I, Undergraduate, 2020 - 2021

Biyofizik, Undergraduate, 2020 - 2021

Spektroskopi, Undergraduate, 2016 - 2017

Fizik-II, Undergraduate, 2016 - 2017

Fizik-I (Mekanik), Undergraduate, 2016 - 2017

X-ışınları ve Uygulamaları, Postgraduate, 2016 - 2017

Radyolojik Fizik ve Radyasyon Dozimetriye Giriş, Doctorate, 2015 - 2016

Atomik ve Moleküler Spektroskopi, Postgraduate, 2013 - 2014

Moleküler Fizik, Undergraduate, 2012 - 2013

Rölativite Teorisi, Undergraduate, 2012 - 2013

Atom Fiziği, Undergraduate, 2012 - 2013

X-ışını Fiziği, Postgraduate, 2012 - 2013

Nükleer Reaktör Fiziği, Undergraduate, 2012 - 2013

X-ışını Floresans Spektroskopı-I, Postgraduate, 2008 - 2009

Dalgaboyu Ayırımlı X-ışını Floresans Spektrometri, Postgraduate, 2007 - 2008

Elektromanyetik Teori, Undergraduate, 2001 - 2002

Advising Theses

- Durak R., Morse potansiyeli içinde etkileşen n elektronlu kuantum nokta yapılarının taban durum özelliklerinin sınırlandırma şiddetine bağlı olarak değişiminin incelenmesi, Postgraduate, R.AYDIN(Student), 2020
- Durak R., RADYASYON ZIRHLAMA İÇİN YENİ, HAFİF, KOMPOZİT MALZEMELER, Doctorate, A.ARAZ(Student), 2020
- DURAK R., XRF ile ilgili atomik parametreler ve K tabakası osilatör şiddetlerinin belirlenmesi, Doctorate, M.Fatih(Student), 2017
- DURAK R., XRF ve ICP-OES teknikleri ile van gölü'nün su ve sedimentinin eser element analizi, Doctorate, F.Akdemir(Student), 2014
- DURAK R., Farklı tipte kanserli ve sağlıklı akciğer dokularının ICP-OES tekniği ile eser element konsantrasyonlarının tayini: Evre, cinsiyet ve yaşı bağılılık, Postgraduate, A.Araz(Student), 2014
- DURAK R., Edxrf spektrometre ile bazı elementlerin k tabakası ve LIII altabakası soğurma sızrama faktörlerinin doğrudan uyarma ve geçiş geometrileriyle ve bazı Ce, Sm ve Gd bileşiklerinin soğurma parametrelerinin belirlenmesi, Doctorate, F.Akman(Student), 2013
- DURAK R., Atom numarası 67?Z?83 aralığındaki bazı elementler için l alt tabaka seviye genişlikleri ve ışimalı boşluk geçiş ihtimaliyetlerinin ölçülmesi, Postgraduate, M.Fatih(Student), 2011
- DURAK R., Atomik iç tabaka geçişlerinde manyetik kuadrupol - elektrik dipol (M2/E1) katkı oranları ve açısal dağılım parametrelerinin ölçülmesi, Doctorate, M.Recep(Student), 2011
- DURAK R., Şeker hastalarının kan serumundaki elementlerin X-ışını floresans analizi, Postgraduate, Y.Gülen(Student), 2005
- DURAK R., Foton uyarımı L3-altabakasından M-tabakasına boşluk geçiş ihtimallerinin ve flüoresans x-ışınlarının açısal dağılımının ölçülmesi ve anizotropi parametrelerinin tayini, Doctorate, Y.Özdemir(Student), 2002
- DURAK R., 60 KeV'lik fotonlarla uyarılmış Z=24-92 aralığındaki elementlerin K ve LX ışını floresans tesir kesitleri ve floresans verimleri, Postgraduate, Y.Özdemir(Student), 1998

Jury Memberships

Associate Professor Exam, Doçentlik Sınav Jürisi, ÜAK, February, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Nuclear shielding characteristics of newly developed composite metal foams: Role of CeO₂ addition and foam type**
Araz A., Kavaz E., Durak R., Akdemir F.
MATERIALS CHEMISTRY AND PHYSICS, vol.1, pp.1-12, 2024 (SCI-Expanded)
- II. **Neutron and photon shielding competences of aluminum open-cell foams filled with different epoxy mixtures: An experimental study**
Araz A., Kavaz E., Durak R.
Radiation Physics and Chemistry, vol.182, 2021 (SCI-Expanded)
- III. **Determination of some fluorescence parameters of L sub-shells for Th and U at 59.54 keV photon energy**
Turhan M. F., Akman F., Kaçal M. R., DURAK R.
Applied Radiation and Isotopes, vol.157, 2020 (SCI-Expanded)
- IV. **Chemical effect on K shell X-ray fluorescence parameters for some Mn and Ni compounds**
Turhan M. F., Turşucu A., Akman F., Akdemir F., DURAK R.
Radiation Physics and Chemistry, vol.168, 2020 (SCI-Expanded)

- V. **Comprehensive study on evaluation of shielding parameters of selected soils by gamma and X-rays transmission in the range 13.94–88.04 keV using WinXCom and FFAST programs**
 Akman F., Turan V., Sayyed M., Akdemir F., Kaçal M., DURAK R., Zaid M.
Results in Physics, vol.15, 2019 (SCI-Expanded)
- VI. **Determination of some selected absorption parameters for Cd, La and Ce elements**
 Turhan M. F., DURAK R., Akman F., Kaçal M. R., ARAZ A.
Radiation Physics and Chemistry, vol.156, pp.101-108, 2019 (SCI-Expanded)
- VII. **Chemical effect on the K shell absorption parameters of some selected cerium compounds**
 Akman F., Kacal M. R., DURAK R.
JOURNAL OF INSTRUMENTATION, vol.11, 2016 (SCI-Expanded)
- VIII. **Study of absorption parameters around the K edge for selected compounds of Gd**
 Akman F., DURAK R., Kacal M., Bezgin F.
X-Ray Spectrometry, vol.45, no.2, pp.103-110, 2016 (SCI-Expanded)
- IX. **The excitation probabilities of $K\alpha, \beta$ and $L\alpha 1,2$ for some elements in $56 \leq Z \leq 68$ at 59.54keV**
 Akman F., Kaçal M., DURAK R.
Radiation Physics and Chemistry, vol.119, pp.29-36, 2016 (SCI-Expanded)
- X. **Determination of $K\alpha, \beta$ excitation factors in thin target for selected elements from Y to Te at 59.54 keV excitation energy**
 Akman F., AKDEMİR F., DURAK R., Kaçal M., AKSAKAL Ö., ARAZ A.
Applied Radiation and Isotopes, vol.107, pp.366-371, 2016 (SCI-Expanded)
- XI. **Studies on effective atomic numbers, electron densities from mass attenuation coefficients near the K edge in some samarium compounds**
 Akman F., DURAK R., Turhan M., Kaçal M.
Applied Radiation and Isotopes, vol.101, pp.107-113, 2015 (SCI-Expanded)
- XII. **Determination of K-shell absorption jump factors and jump ratios for La₂O₃, Ce and Gd using two different methods**
 Akman F., DURAK R., Kaçal M. R., Turhan M. F., AKDEMİR F.
Radiation Physics and Chemistry, vol.107, pp.75-81, 2015 (SCI-Expanded)
- XIII. **Kinematic coefficient ratios, anisotropy parameters, and polarization degrees of L3 X-ray transitions of Bi, Pb, Ta, Lu, and Yb**
 Kaçal M., DURAK R., Akman F.
Canadian Journal of Physics, vol.93, no.10, pp.1199-1206, 2015 (SCI-Expanded)
- XIV. **Measurement of Li X-ray fluorescence production cross sections and intensity ratios of some elements at 59.54 keV**
 Akman F., DURAK R., Kaçal M., Turhan M.
Canadian Journal of Physics, vol.93, no.10, pp.1057-1066, 2015 (SCI-Expanded)
- XV. **Determination of K shell absorption parameters for some lanthanides using the X-ray attenuation method**
 Akman F., DURAK R., Kaçal M.
Canadian Journal of Physics, vol.93, no.12, pp.1532-1540, 2015 (SCI-Expanded)
- XVI. **Determination of L X-ray fluorescence parameters for Ho, Lu, W, Hg and Bi**
 Turhan M., DURAK R., Akman F.
Applied Radiation and Isotopes, vol.89, pp.151-158, 2014 (SCI-Expanded)
- XVII. **Measurement of L subshell fluorescence yields for high-Z elements excited by 22.6keV photons**
 Kacal M., Han I., Akman F., DURAK R.
Journal of Quantitative Spectroscopy and Radiative Transfer, vol.113, no.5, pp.373-381, 2012 (SCI-Expanded)
- XVIII. **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)
- XIX. **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)
- XX. **Measurement of L subshell fluorescence cross sections and intensity ratios of heavy elements at 22.6keV**
KACAL M., DURAK R., Akman F., TURHAN M., Han I.
Radiation Physics and Chemistry, vol.80, no.6, pp.692-700, 2011 (SCI-Expanded)
- XXI. **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)
- XXII. **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)
- XXIII. **Determination of trace element levels in human blood serum from patients with type II diabetes using WDXRF technique: A comparative study**
DURAK R., GÜLEN Y., KURUDİREK M., KAÇAL M. R., ÇAPOĞLU İ.
JOURNAL OF X-RAY SCIENCE AND TECHNOLOGY, vol.18, no.2, pp.111-120, 2010 (SCI-Expanded)
- XXIV. **Measurements of Coster-Kronig enhancement factors for Yb, Lu, Os and Pt elements**
Yilmaz R., Oz E., Tan M., Durak R., Demirel A. I., Sahin Y.
RADIATION PHYSICS AND CHEMISTRY, vol.78, no.5, pp.318-322, 2009 (SCI-Expanded)
- XXV. **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)
- XXVI. **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)
- XXVII. **Measurement of angular dependence of M X-ray production differential cross-sections in heavy elements at 5.96 keV**
DURAK R.
Canadian Journal of Analytical Sciences and Spectroscopy, vol.51, no.2, pp.67-73, 2006 (SCI-Expanded)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **L-subshell fluorescence yields ($2\omega_1$, ω_2 and ω_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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **Measurement of K alpha to L alpha and K beta to L beta intensity ratios of seven elements in the atomic number range 56 <= Z <= 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)
- XXXV. **Measurement of La/L ℓ , La/L β and La/L γ X-ray intensity ratios for elements in the atomic range 57 <= Z <= 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)
- XXXVI. **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)
- XXXVII. **Measurement of K-shell fluorescence cross-sections and yields of 14 elements in the atomic number range 25 <= Z <= 47 using photoionization**
Durak R., Özdemir Y.
RADIATION PHYSICS AND CHEMISTRY, vol.61, no.1, pp.19-25, 2001 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **Measurement of Ll, 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 <= Z <= 92 at 59.54 keV**
Ozdemir Y., Durak R.
PHYSICA SCRIPTA, vol.62, no.1, pp.41-45, 2000 (SCI-Expanded)
- XLI. **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)
- XLII. **Ll, La, L β and L γ X-ray production cross-sections and yields of some selected elements between caesium and erbium following ionization by 59.54 keV γ rays**
DURAK R., ÖZDEMİR Y.
Spectrochimica acta, Part B: Atomic spectroscopy, vol.55, no.2, pp.177-184, 2000 (SCI-Expanded)
- XLIII. **Measurement of the Compton and Coherent Scattering Differential Cross-Sections**
KURUCU Y., ERZENEGLU S., DURAK R., Şahin Y.
Turkish Journal of Physics, vol.22, no.8, pp.783-788, 1998 (SCI-Expanded)
- XLIV. **Incoherent differential scattering cross-sections of 59.5 keV photons in In, Au and Pb**
KURUCU Y., DURAK R., ERZENEGLU S. Z., ŞAHİN Y.
Journal of Trace and Microprobe Techniques, vol.16, no.3, pp.293-300, 1998 (SCI-Expanded)
- XLV. **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)

- XLVI. **Coherent scattering of 59.5 keV γ -rays by Ti, Ni, Zr and in through angles from 36° to 135°**
 ERZENEĞLU S. Z., DURAK R., KURUCU Y., ŞAHİN Y.
 Applied Spectroscopy Reviews, vol.33, pp.175-187, 1998 (SCI-Expanded)
- XLVII. **Measurement of photon-induced K X-ray production cross-sections for some elements with $40 \leq Z \leq 70$ at 122 KeV**
 DURAK R., ERZENEĞLU S. Z., KURUCU Y., ŞAHİN Y.
 RADIATION PHYSICS AND CHEMISTRY, vol.51, no.1, pp.45-48, 1998 (SCI-Expanded)
- XLVIII. **Incoherent differential scattering cross-sections of 59.5 keV photons in In, An and Pb**
 Kurucu Y., Durak R., Erzeneoglu S., Sahin Y.
 JOURNAL OF TRACE AND MICROPROBE TECHNIQUES, vol.16, no.3, pp.293-300, 1998 (SCI-Expanded)
- XLIX. **Scattering of 59.5 keV γ -rays by Ti, Ni and Zr**
 KURUCU Y., ERZENEĞLU S. Z., DURAK R., ŞAHİN Y.
 Applied Spectroscopy Reviews, vol.33, pp.167-174, 1998 (SCI-Expanded)
- L. **Measurement of [Formula Presented]-shell fluorescence yields of selected elements from Cs to Pb using radioisotope x-ray fluorescence**
 DURAK R., ŞAHİN Y.
 Physical Review A - Atomic, Molecular, and Optical Physics, vol.57, no.4, pp.2578-2582, 1998 (SCI-Expanded)
- LI. **K-shell X-ray fluorescence cross-sections and yields measurements in 12 elements from Zr to Yb at 122 keV**
 DURAK R.
 Physica Scripta, vol.58, no.2, pp.111-115, 1998 (SCI-Expanded)
- LII. **Natural background in Ge(Li) spectrometers**
 DURAK R., ERZENEĞLU S. Z., KURUCU Y., ŞAHİN Y.
 INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.25, no.4, pp.335-343, 1997 (SCI-Expanded)
- LIII. **Scattering contribution of fluorescent radiation to XRF intensity in Ge(Li) detectors**
 DURAK R., KURUCU Y., ERZENEĞLU S. Z., ERTUĞRUL M., ŞAHİN Y.
 Physica Scripta, vol.55, no.5, pp.547-549, 1997 (SCI-Expanded)
- LIV. **Measurement of K-shell fluorescence yields for Ba, Ce, Nd, Gd, Dy, Er and Yb using radioisotope XRF**
 DURAK R., ŞAHİN Y.
 Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.124, no.1, pp.1-4, 1997 (SCI-Expanded)
- LV. **Measurement of M shell X-ray production cross sections and fluorescence yields for the elements in the atomic range $70 \leq Z \leq 92$ at 5.96 keV**
 ERTUĞRUL M., TIRAŞOĞLU E., KURUCU Y., ERZENEĞLU S. Z., DURAK R., ŞAHİN Y.
 Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms, vol.108, pp.18-22, 1996 (SCI-Expanded)
- LVI. **Coherent scattering of 59.5 keV photons by Au and Pb**
 ERZENEĞLU S. Z., KURUCU Y., DURAK R., ŞAHİN Y.
 Physica Scripta, vol.54, no.2, pp.153-155, 1996 (SCI-Expanded)
- LVII. **Analysis of Binary Systems with Rayleigh and Compton Scattered Photons**
 Durak R., Ertugrul M., Erzeneoglu S. Z., Kurucu Y.
 APPLIED SPECTROSCOPY REVIEWS, vol.30, no.1-2, pp.1-11, 1995 (SCI-Expanded)
- LVIII. **ANGULAR-DEPENDENCE OF DIFFERENTIAL CROSS-SECTIONS OF L-X-RAYS FROM HG, TL AND PB AT 59.5 KEV**
 ERTUGRUL M., DURAK R., TIRASOGLU E., BUYUKKASAP E., ERDOGAN H.
 APPLIED SPECTROSCOPY REVIEWS, vol.30, no.3, pp.219-225, 1995 (SCI-Expanded)
- LIX. **ANALYSIS OF BINARY-SYSTEMS WITH RAYLEIGH AND COMPTON SCATTERED PHOTONS**
 Ertugrul M., ŞAHİN Y.
 APPLIED SPECTROSCOPY REVIEWS, vol.30, no.1-2, pp.1-11, 1995 (SCI-Expanded)
- LX. **Measurements of atomic form factors at 4.283-A-1 photon-momentum transfer**
 ERZENEĞLU S. Z., KURUCU Y., DURAK R., AHIN Y.

- Physical Review A, vol.51, no.6, pp.4628-4630, 1995 (SCI-Expanded)
- LXI. **Incoherent scattering of 59.5 keV gamma-rays by light, medium and heavy elements**
KURUCU Y., ERZENEĞLU S. Z., ŞAHİN Y., Durak R.
Il Nuovo Cimento D, vol.16, no.6, pp.555-559, 1994 (SCI-Expanded)
- LXII. **Peak area determination and energy dependence of gamma- and X-ray peak tailing**
ŞAHİN Y., DURAK R., KURUCU Y., ERZENEĞLU S. Z.
Journal of Radioanalytical and Nuclear Chemistry Articles, vol.177, no.2, pp.403-413, 1994 (SCI-Expanded)

Articles Published in Other Journals

- I. **"Kur'ân Dili ile Bilim Dilinin Kesişme Noktasında "Yedi Gökyüzüne Dair Âyetlerin Yorumu"**•
Durak R.
Universal Journal of Theology, vol.7, no.2, pp.127-152, 2022 (Peer-Reviewed Journal)
- II. **Determination of Radiation Absorption Parameters of Some Plants in the Low Energy Range**
Durak R., Turhan M. F., Akdemir F., Akman F., Geçibesler İ. H., Kaçal M. R.
Journal of the Institute of Science and Technology, vol.11, no.3, pp.1959-1969, 2021 (Peer-Reviewed Journal)
- III. **Calculation of Absorption Parameters for Some Selected Minerals in the Energy Range of 1 KeV to 100 GeV**
DURAK R.
International Journal of Scientific & Engineering Research, vol.10, no.9, pp.56-61, 2019 (Peer-Reviewed Journal)
- IV. **Calculation of Absorption Parameters for Some Selected Minerals in the Energy Range of 1 KeV to 100 GeV**
DURAK R.
International Journal of Scientific & Engineering Research, vol.10, no.9, pp.56-61, 2019 (Peer-Reviewed Journal)
- V. **Determination of Gamma Ray Buildup Factors of Some Enzyme Inhibitors**
DURAK R.
International Journal of Scientific & Engineering Research, vol.10, no.9, pp.8-13, 2019 (Peer-Reviewed Journal)
- VI. **Determination of Gamma Ray Buildup Factors of Some Enzyme Inhibitors**
DURAK R.
International Journal of Scientific & Engineering Research, vol.10, no.9, pp.8-13, 2019 (Peer-Reviewed Journal)
- VII. **Measurement of Mass Attenuation Coefficients and Molar Extinction Coefficients of Alyssum pateri subsp. prostratum**
AKDEMİR F., TURHAN M. F., AKMAN F., GEÇİBESLER İ. H., KAÇAL M. R., DURAK R.
Journal of the Institute of Science and Technology, pp.339-346, 2019 (Peer-Reviewed Journal)
- VIII. **Calculation of Radiation Absorption Parameters for Some Selected Ferrite Ceramics**
DURAK R.
Journal of the Institute of Science and Technology,, vol.9, no.2, pp.771-779, 2019 (Peer-Reviewed Journal)
- IX. **Calculation of Radiation Absorption Parameters for Some Selected Ferrite Ceramics**
DURAK R.
Journal of the Institute of Science and Technology,, vol.9, no.2, pp.771-779, 2019 (Peer-Reviewed Journal)
- X. **AKDEMİR FATMA,TURHAN MEHMET FATİH,AKMAN FERDİ,GEÇİBESLER İBRAHİM HALİL,KAÇAL MUSTAFA RECEP,DURAK RIDVAN, Alyssum pateri subsp. prostratum Bitkisinin Kütle Azaltma Katsayılarının ve Molar Yok-Olma Katsayılarının Ölçülmesi, İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, pp.339-346, 2019**
DURAK R.
Journal of the Institute of Science and Technology, vol.9, no.1, pp.339-346, 2019 (Peer-Reviewed Journal)
- XI. **AKDEMİR FATMA,TURHAN MEHMET FATİH,AKMAN FERDİ,GEÇİBESLER İBRAHİM HALİL,KAÇAL MUSTAFA RECEP,DURAK RIDVAN, Alyssum pateri subsp. prostratum Bitkisinin Kütle Azaltma Katsayılarının ve Molar Yok-Olma Katsayılarının Ölçülmesi, İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, pp.339-346, 2019**

- DURAK R.
 Journal of the Institute of Science and Technology, vol.9, no.1, pp.339-346, 2019 (Peer-Reviewed Journal)
- XII. **Improving Heavy Concrete Shielding Materials against Fast Neutron Radiation Leaks with Experimental and Monte Carlo Simulation (Geant4) Code**
 AYGÜN B., MEHRNEJAD R., ŞAKAR E., ÜNVAR S., KORKUT T., KARABULUT A., DURAK R.
 International Journal of Scientific Engineering Research, vol.9, pp.107-111, 2018 (Peer-Reviewed Journal)
- XIII. **Determination of Mass Attenuation Coefficients on Boric Acid Injected Liver of Male Rats**
 EKİNCİ N., DURAK R., KAVAZ E., GEYİKOĞLU F., CİNAN E.
 International Journal of Scientific Engineering Research, vol.9, pp.5-8, 2018 (Peer-Reviewed Journal)
- XIV. **Photon-induce L-shell X-ray Production Cross sections for Lanthanides at 59.54 keV**
 DURAK R., AKMAN F., KARABULUT A.
 Materials Science Forum, vol.890, no.890, pp.223-226, 2017 (Scopus)
- XV. **Updated database for K-shell fluorescence yields**
 AKDEMİR F., ARAZ A., AKMAN F., KAÇAL M. R., DURAK R.
 AIP Conference Proceedings, vol.1833, 2017 (Peer-Reviewed Journal)
- XVI. **Calculation of Absorption Parameters for Selected Narcotic Drugs in the Energy Range from 1 keV to 100 GeV**
 DURAK R.
 AIP Conference Proceedings, vol.1833, 2017 (Peer-Reviewed Journal)
- XVII. **Investigation of chemical effect on the absorption parameters for some selected indium complex at 59.54 keV photon energy**
 AKMAN F., AKMAN F., KAÇAL M. R., TURHAN M. F., AKDEMİR F., ARAZ A., DURAK R.
 Journal of Physics: Conference Series, no.707, 2016 (Scopus)
- XVIII. **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)
- XIX. **Measurements of The Compton and Coherent Scattering Differential Cross Sections**
 KURUCU Y., ERZENEZOĞLU S. Z., DURAK R., ŞAHİN Y.
 Tr. J. Phys., vol.22, no.8, pp.783-788, 1998 (Peer-Reviewed Journal)
- XX. **Coherent scattering of 59.5 keV gamma rays by W through angles from 36° to 135°**
 DURAK R.
 TURKISH JOURNAL OF PHYSICS, vol.19, pp.752-757, 1995 (Scopus)
- XXI. **Coherent scattering of 59.5 keV gamma rays by W through angles from 36° to 135°**
 DURAK R.
 TURKISH JOURNAL OF PHYSICS, vol.19, pp.752-757, 1995 (Scopus)
- XXII. **Coherent Scattering of 59.5 keV Gamma Rays by W Through Angles from 36 to 135**
 ERZENEZOĞLU S. Z., DURAK R., KURUCU Y., ŞAHİN Y.
 Tr. J. Phys., vol.19, no.5, pp.752-757, 1995 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Atomik ve Moleküler Spektroskopisi**
 DURAK R.
 Ders Notları, 2016
- II. **8 02 Elektrik ve Manyetizma**
 DURAK R.
 TUBA, 2014
- III. **Elektromanyetik Teori**
 DURAK R.

Gazi Kitapevi, 2004

IV. Manyetostatik

DURAK R.

in: Elektromanyetik Teori, Türköz Ş., Aydin Z.Z, Zengin M., Editor, Gazi Kitabevi, Ankara, pp.252-308, 2004

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Radiation Attenuation Properties for BiI₃ Doped Polymer Concretes**
AKMAN F., KAÇAL M. R., POLAT H., TURHAN M. F., DURAK R.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCES, 19 - 22 June 2019
- II. **Calculation of radiation interaction parameters for commonly used polymers in daily-life**
TURHAN M. F., AKMAN F., AKMAN F., DURAK R.
4th International Conference on Advances in Natural Applied Sciences (ICANAS), 19 - 22 June 2019
- III. **Investigation of Radiation AbsorptionParameters for Some Plants Using XRFTechnique in the Energy Range 13.92-59.54 Kev**
AKDEMİR F., AKMAN F., GEÇİBESLER İ. H., KAÇAL M. R., TURHAN M. F., DURAK R.
3rd International Conference on Advances in Natural Applied Science Physics, 9 - 12 May 2018
- IV. **Evaluation of absorption parameters for CaCO₃, MgCO₃, NaHCO₃, (NH₄)₂HPO₄**
DURAK R., TURHAN M. F., AKDEMİR F., araz a., AKMAN F.
3rd International Conference on Advances in Natural and Applied Sciences, 9 - 12 May 2018
- V. **The radiation absorption characteristics of some organic photovoltaic materials in the wide energy range**
DURAK R., AKMAN F., AKDEMİR F., TURHAN M. F., araz a.
3rd International Conference on Advances in Natural and Applied Sciences, 9 - 12 May 2018
- VI. **Calculation of absorption parameters for some selected ferrite ceramics**
DURAK R., TURHAN M. F., AKDEMİR F., araz a., AKMAN F.
3rd International Conference on Advances in Natural and Applied Sciences, 9 - 12 May 2018
- VII. **Calculation of effective atomic numbers and electron densities for some selected solvents**
DURAK R., AKMAN F., AKDEMİR F., TURHAN M. F., araz a.
3rd International Conference on Advances in Natural and Applied Sciences, 9 - 12 May 2018
- VIII. **Measurement of Mass Attenuation Coefficientsand Molar Extinction Coefficients of AlyssumPateri Subsp. Prostratum**
AKDEMİR F., AKMAN F., GEÇİBESLER İ. H., KAÇAL M. R., TURHAN M. F., DURAK R.
3rd International Conference on Advances in Natural Applied Science.Physics, 9 - 12 May 2018
- IX. **Elemental Analysis on Livers following Boric Acid and Propolis Exposure in Adult Srage Dawley Rat Using Wavelength-Dispersive X-Ray Fluorescence Spectrometry**
Kavaz E., Durak R., Cinan E., Boydaş E., Özdemir Y., Ekinci N., Koç K.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCEPHYSICS, Antalya, Turkey, 9 - 12 May 2018, pp.129
- X. **Determination of Mass Attenuation Coefficients on Boric Acid Injected Liver of Male Rats**
EKİNÇİ N., DURAK R., CİNAN E., KAVAZ E., GEYİKOĞLU F.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCEPHYSICS, Antalya, Turkey, 9 - 12 May 2018, pp.128
- XI. **Investigation of X-ray fluorescence parameters for Ba**
TURHAN M. F., AKMAN F., DURAK R.
International Congress on Science and Education 2018, 23 - 25 March 2018
- XII. **Investigation of K Shell Oscillator Strengths and Related Parameters for Sb and Ce**
DURAK R.
4th International Congress on Technology - Engineering & Science (ICONTES), Kuala Lumpur, Malaysia, 5 - 06 August 2017, pp.25

- XIII. **Investigation of K Shell Oscillator Strengths and Related Parameters for Sb and Ce**
DURAK R.
4th International Congress on Technology - Engineering & Science (ICONTES), Kuala Lumpur, Malaysia, 5 - 06 August 2017, pp.25
- XIV. **The mass attenuation coefficients, effective atomic numbers and electron densities for some narcotic drugs: Theoretical calculation**
AKMAN F., KAÇAL M. R., AKDEMİR F., araz a., DURAK R.
2nd International Conference on Advances in Natural and Applied Sciences, 18 - 21 April 2017
- XV. **Measurements of K Shell Absorption Parameters for Ce**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XVI. **The Vacancy Transfer Probabilities from K-Shell to L2, L3 and L-Shell/Subshells: Updated Database Values**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XVII. **Updated Database for K-Shell Fluorescence Yields**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XVIII. **Effective Atomic Numbers and Electron Densities for Some Narcotic Drugs: Theoretical Calculation**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XIX. **Calculation of Absorption Parameters for Selected Narcotic Drugs in the Energy Range from 1 keV to 100 GeV**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XX. **Effective Atomic Numbers and Electron Densities for Some Narcotic Drugs: Theoretical Calculation**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XXI. **The Vacancy Transfer Probabilities from K-Shell to L2, L3 and L-Shell/Subshells: Updated Database Values**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XXII. **Updated Database for K-Shell Fluorescence Yields**
DURAK R.
2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Turkey, 18 April 2017 - 21 April 2018, vol.1833
- XXIII. **Measurements of K Shell Absorption Parameters for Ce**
DURAK R.
ICANAS 2017, Antalya, Turkey, 18 - 24 April 2017, pp.1
- XXIV. **Measurements of K X-ray fluorescence cross-sections, fluorescence yields, level widths and radiative vacancy transition probabilities for the elements Zr, Mo, Cd, Er at 59.54 keV**
Turhan M. F., AKMAN F., Kacal M. R., DURAK R.
1st International Conference on Material Engineering and Advanced Manufacturing Technology ((MEAMT), Busan, South Korea, 25 - 27 August 2017, vol.282
- XXV. **Photon-induced L-shell X-ray production cross sections for lanthanides at 59.54 keV**
DURAK R., Akman F., KARABULUT A.
5th International Conference on Material Science and Engineering Technology, ICMSET 2016, Tokyo, Japan, 29 - 31 October 2016, pp.223-226
- XXVI. **Photon induced L shell X ray Production Cross Sections for Lanthanides at 59.54 keV**
DURAK R., AKMAN F., KARABULUT A.
5th International Conference on Material Science and Engineering Technology (ICMSET 2016), 29 - 31 October

2016

- XXVII. **Neutron Gamma Radiation Shielding New Super Alloys Production With Nano Technology And Semi Experimental Monte Carlo Simulation Code Geant4 Program**
KARABULUT A., KORKUT T., DURAK R.
5th International Conference on Material Science and Engineering Technology (ICMSET 2016), 29 - 31 October 2016
- XXVIII. **DETERMINATION OF K EXCITATION FACTORSFOR Cd Sb AND La**
DURAK R., TURHAN M. F., AKMAN F.
TÜRK FİZİK DERNEĞİ 32. ULUSLARASI FİZİK KONGRESİ, BODRUM, Turkey, 6 - 09 September 2016
- XXIX. **Indoor radon measurements in Erzurum province of Turkey**
DURAK R., KIRAN D., KAVAZ E., EKİNCİ N.
1st International Physics Conference at the Anatolian Peak, IPCAP 2016, Erzurum, Turkey, 25 - 27 February 2016, vol.707
- XXX. **Determination of TL Kinetic Parameters and Linear Attenuation Coefficient of Etibor 68**
YÜKSEL M., SAÇSÖZ M. E., DOĞAN T., TOPAKSU M., DURAK R.
TESNAT - Theoretical and Experimental Studies in Nuclear Applications and Technology, 28 - 30 April 2016
- XXXI. **Basic Sciences Agonize In Turkey!**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXII. **, Determination of K-Li Sub-Shell, Total K-L and Total K-M shell Vacancy Transfer Probabilities for Europium, Gadolinium and Terbium**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXIII. **Why Do We Need Nuclear Energy in Turkey?**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXIV. **Investigation of Chemical Effect on the Absorption Parameters for Some Selected Indium Complex at 59.54 keV Photon Energy,**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXV. **Basic Sciences Agonize In Turkey!**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXVI. **The properties of the ZnInSe thin film grown by SILAR method**
DURAK R., AKTAS S., GÜZELDİR B., SAĞLAM M.
Materials Science and Technology Conference and Exhibition 2013, MS and T 2013, Erzurum, Turkey, 25 - 27 February 2016, vol.4, pp.2970-2974
- XXXVII. **Investigation of Chemical Effect on the Absorption Parameters for Some Selected Indium Complex at 59.54 keV Photon Energy,**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXVIII. **Why Do We Need Nuclear Energy in Turkey?**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XXXIX. **, Determination of K-Li Sub-Shell, Total K-L and Total K-M shell Vacancy Transfer Probabilities for Europium, Gadolinium and Terbium**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XL. **Determination of K Shell Fluorescence Parameters for Some Elements in the Atomic Number Range 50?Z?60**
DURAK R.

- 1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XLI. **Measurement of L3 Sub-Shell to M, N, O Shell Radiative Vacancy Transfer Probabilities for Ho, Lu and Hg Elements**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XLII. **Determination of K Shell Fluorescence Parameters for Some Elements in the Atomic Number Range 50?Z?60**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XLIII. **Measurement of L3 Sub-Shell to M, N, O Shell Radiative Vacancy Transfer Probabilities for Ho, Lu and Hg Elements**
DURAK R.
1st International Physics Conference at the Anatolian Peak, Erzurum, Turkey, 25 - 27 February 2016, pp.1
- XLIV. **Neutron Gamma Radiation Shielding New Super Alloys Production with Nano Technology and Semi-Experimental Monte Carlo Simulation Code (GEANT4) Program**
DURAK R.
ICMSET 2016, Tokyo, Japan, 29 - 31 January 2016, pp.1
- XLV. **Neutron Gamma Radiation Shielding New Super Alloys Production with Nano Technology and Semi-Experimental Monte Carlo Simulation Code (GEANT4) Program**
DURAK R.
ICMSET 2016, Tokyo, Japan, 29 - 31 January 2016, pp.1
- XLVI. **Chemical effect on the atomic and molecular cross sections of some Ce compounds near the K edge**
DURAK R., AKMAN F.
INTERNATIONAL TURKIC WORLD CONFERENCEON CHEMICAL SCIENCES AND TECHNOLOGIES, Sarajova, Bosnia And Herzegovina, 27 October - 01 November 2015
- XLVII. **Study of absorption parameters around the K edge for the compounds of Gd**
DURAK R.
SARAJEVO BOSNIA AND HERZEGOVINA, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.1
- XLVIII. **Study of absorption parameters around the K edge for the compounds of Gd**
DURAK R.
SARAJEVO BOSNIA AND HERZEGOVINA, Sarajevo, Bosnia And Herzegovina, 27 October - 01 November 2015, pp.1
- XLIX. **2015 - Int Cong - TM - CONCENTRATIONS OF MAJOR AND TRACE ELEMENTS IN SEDIMENT AND WATER OF VAN LAKE TURKEY BY ICP OES AND EDXRF**
AKDEMİR F., ASLI A., AKMAN F., BİLEN S., KAÇAL M. R., DURAK R.
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.101
- L. **Determination of Trace Element Concentrations in Different Types Cancerous and Healthy Lung Tissues Using Icp-Oes Technique: Stage, Sex and Age Dependence,**
DURAK R.
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1
- LI. **Determination of the K Shell Absorption Jump Factor of Molecular and Atomic Cross Sections for Some Samarium Compounds**
DURAK R.
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1
- LII. **The Investigation of Chemical Effect on Some Cu And Fe Metal Complexes**
DURAK R.
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1
- LIII. **Determination of the K Shell Absorption Jump Factor of Molecular and Atomic Cross Sections for**

Some Samarium Compounds

DURAK R.

9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1

- LIV. **Measurement of Fluoresans Parameters of Some Ni and Zn Transition Metal Complexes with Carboxylic Acid Coordination**

KAÇAL M. R., CEMİLE B., FATMA A., ARAZ A., AKMAN F., DURAK R.

9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, pp.331

- LV. **Determination of Trace Element Concentrations in Different Types Cancerous and Healthy Lung Tissues Using Icp-Oes Technique: Stage, Sex and Age Dependence,**

DURAK R.

9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1

- LVI. **The Investigation of Chemical Effect on Some Cu And Fe Metal Complexes**

DURAK R.

9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1

- LVII. **Measurement of Fluoresans Parameters of Some Ni and Zn Transition Metal Complexes With Carboxylic Acid Coordination,**

DURAK R.

9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1

- LVIII. **Measurement of Fluoresans Parameters of Some Ni and Zn Transition Metal Complexes With Carboxylic Acid Coordination,**

DURAK R.

9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION, İstanbul, Turkey, 24 - 27 August 2015, pp.1

- LIX. **X-ray attenuation coefficients of Gd compounds in the K edge region at different energies,**

DURAK R.

4. Ulusal Kristallografi Toplantısı, Diyarbakır, Turkey, 17 - 19 May 2014, pp.1

- LX. **Measurement of mass attenuation coefficients around the K absorption edge of some Ce compounds**

DURAK R.

4. Ulusal Kristallografi Toplantısı, Diyarbakır, Turkey, 17 - 19 May 2014, pp.1

- LXI. **Measurement of mass attenuation coefficients around the K absorption edge of some Ce compounds**

DURAK R.

4. Ulusal Kristallografi Toplantısı, Diyarbakır, Turkey, 17 - 19 May 2014, pp.1

- LXII. **X-ray attenuation coefficients of Gd compounds in the K edge region at different energies,**

DURAK R.

4. Ulusal Kristallografi Toplantısı, Diyarbakır, Turkey, 17 - 19 May 2014, pp.1

- LXIII. **A Study on Cu in Se₂ Thin Films Deposited by Spray Pyrolysis Technique,**

DURAK R., GÜZELDİR B.

Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1

- LXIV. **Measurement of Magnetic Quadrupole-Electric Dipole Mixing Ratios and Angular Distribution Parameters in Atomic Inner-Shell Transitions**

DURAK R.

Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1

- LXV. **Measurement of Magnetic Quadrupole-Electric Dipole Mixing Ratios and Angular Distribution Parameters in Atomic Inner-Shell Transitions**

DURAK R.

Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1

- LXVI. **The Properties of The Zn in se Thin Film Grown by Silar Method**

- DURAK R., GÜZELDİR B.
Materials Science and Technology (MS&T) 2013, Montreal.Quebec, Canada, 27 - 31 October 2013, pp.1
- LXVII. **Samaryum bileşiklerinin foton etkileşim parametrelerinin belirlenmesi,**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXVIII. **Ho, Er, Tl ve W elementleri için Ll, Lalfa, Lbeta ve Lgama X-işını floresans tesir kesitlerinin ölçülmesi**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXIX. **Hg, Tl, Pb ve Bi elementleri için Ll, Leta, Lalfa, Lbeta ve Lgama üretim tesir kesitlerinin deneyisel olarak hesaplanması**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXX. **Samaryum bileşiklerinin foton etkileşim parametrelerinin belirlenmesi,**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXXI. **Ho, Er, Tl ve W elementleri için Ll, Lalfa, Lbeta ve Lgama X-işını floresans tesir kesitlerinin ölçülmesi**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXXII. **Hg, Tl, Pb ve Bi elementleri için Ll, Leta, Lalfa, Lbeta ve Lgama üretim tesir kesitlerinin deneyisel olarak hesaplanması**
DURAK R.
XIII. Ulusal Spektroskopİ Kongresi, Burdur, Turkey, 15 - 18 May 2013, pp.1
- LXXIII. **A study on CuInSe Thin Films Deposited by Spray Pyrolyysis Technique**
SAĞLAM M, GÜZELDİR B., DURAK R., Ateş A.
Materials Science and Technology (MSST), Montreal, Canada, 27 - 31 January 2013, pp.2964-2969
- LXXIV. **Measurements of Radiative Vacancy Transfer Probabilities for Some Elements Irradiated with Photons of 0.0208 Nanometer Wavelengths,**
DURAK R.
NAP 2012, Alushta The Crimea, Ukraine, 17 - 22 September 2012, pp.1
- LXXV. **Measurements of Radiative Vacancy Transfer Probabilities for Some Elements Irradiated with Photons of 0.0208 Nanometer Wavelengths,**
DURAK R.
NAP 2012, Alushta The Crimea, Ukraine, 17 - 22 September 2012, pp.1
- LXXVI. **The Status Of Women in Physics at Turkish Universities,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXVII. **Assigning an Effective Atomic Number in Solutions for Photon Energy Absorption Based on Mass Attenuation Coefficients in The Energy Region 200-1500 keV,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXVIII. **Lu, W, Au ve Pb Elementleri İçin L Alt Tabakası X-işını Üretim Tesir Kesitlerinin ve Floresans Verimlerinin Ölçülmesi,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXIX. **Lu, W, Au ve Pb Elementleri İçin L Alt Tabakası X-işını Üretim Tesir Kesitlerinin ve Floresans Verimlerinin Ölçülmesi,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- XXX. **Hg, Tl, Pb ve Bi Elementleri İçin L3 Alt Tabakası Floresans Verim ve Seviye Genişliklerinin Ölçülmesi,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1

- LXXXI. **Hg, Tl, Pb ve Bi Elementleri İçin L3 Alt Tabakası Floresans Verim ve Seviye Genişliklerinin Ölçülmesi,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXXII. **Assigning an Effective Atomic Number in Solutions for Photon Energy Absorption Based on Mass Attenuation Coefficients in The Energy Region 200-1500 keV,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXXIII. **The Status Of Women in Physics at Turkish Universities,**
DURAK R.
TFD28, Muğla, Turkey, 6 - 09 September 2011, pp.1
- LXXXIV. **Analysis of some glass systems with and without Pb with respect to radiation shielding properties in the energy region of 1keV-100GeV**
KURUDİREK M., ÖZDEMİR Y., DURAK R.
The second international conference on nuclear and renewable energy resources, 4 - 07 July 2010
- LXXXV. **Measurement of Mass Attenuation Coefficients and Comparison of Detectors Efficiencies at Some Energies,**
DURAK R.
Turkish Physical Society 26 th International Physics Conference, Muğla, Turkey, 24 - 27 September 2009, pp.1
- LXXXVI. **A Study Of Gamma Spectrometric Parameters in Portland Cement, Silica Fume, Blast Furnace Slag and Natural Zeolite**
DURAK R.
Turkish Physical Society 26 th International Physics Conference, Muğla, Turkey, 24 - 27 September 2009, pp.1
- LXXXVII. **Measurement of Mass Attenuation Coefficients and Comparison of Detectors Efficiencies at Some Energies,**
DURAK R.
Turkish Physical Society 26 th International Physics Conference, Muğla, Turkey, 24 - 27 September 2009, pp.1
- LXXXVIII. **A Study Of Gamma Spectrometric Parameters in Portland Cement, Silica Fume, Blast Furnace Slag and Natural Zeolite**
DURAK R.
Turkish Physical Society 26 th International Physics Conference, Muğla, Turkey, 24 - 27 September 2009, pp.1
- LXXXIX. **Contribution of The Mixing Ratio and Anisotropy Parameters of Vacancy States 22.6 keV Photon induced L3-Subshell**
DURAK R.
tfd 27, İstanbul, Turkey, 14 - 17 September 2009, pp.1
- XC. **Contribution of The Mixing Ratio and Anisotropy Parameters of Vacancy States 22.6 keV Photon induced L3-Subshell**
DURAK R.
tfd 27, İstanbul, Turkey, 14 - 17 September 2009, pp.1
- XCI. **Electric Dipole Mixing in Photon Induced Inner-Shell Magnetic Quadrupole Transitions**
DURAK R.
Transitions 7th General Conference of The Balkan Physical Union,, Alexandroupolis, Greece, 9 - 13 September 2009, pp.1
- XCII. **Electric Dipole Mixing in Photon Induced Inner-Shell Magnetic Quadrupole Transitions**
DURAK R.
Transitions 7th General Conference of The Balkan Physical Union,, Alexandroupolis, Greece, 9 - 13 September 2009, pp.1
- XCIII. **X-Işını Spektrumlarında Manyetik Kuadrupol-Elektrik Dipol M2/E1 Karışım Oranları**
DURAK R.
XI. Ulusal Spektroskopı Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.1
- XCIV. **X-Işını Spektrumlarında Manyetik Kuadrupol-Elektrik Dipol M2/E1 Karışım Oranları**
DURAK R.

- XI. Ulusal Spektroskopi Kongresi, Ankara, Turkey, 23 - 26 June 2009, pp.1
- XCV. **Angular Dependence of M X-Ray Production Differential Cross sections at 5.96 keV**
DURAK R.
The Fourth Eurasian Conference on Nuclear Science and Its Application, Baku, Azerbaijan, 31 October - 03 November 2006, pp.1
- XCVI. **Angular Dependence of M X-Ray Production Differential Cross sections at 5.96 keV**
DURAK R.
The Fourth Eurasian Conference on Nuclear Science and Its Application, Baku, Azerbaijan, 31 October - 03 November 2006, pp.1
- XCVII. **X-ray Fluorescence Analysis of Trace Elements in Blood Serum From Diabetic Patients,**
DURAK R.
The Fourth Eurasian Conference on Nuclear Science and Its Application, Baku, Azerbaijan, 31 October - 03 November 2006, pp.1
- XCVIII. **X-ray Fluorescence Analysis of Trace Elements in Blood Serum From Diabetic Patients,**
DURAK R.
The Fourth Eurasian Conference on Nuclear Science and Its Application, Baku, Azerbaijan, 31 October - 03 November 2006, pp.1
- XCIX. **Mürekkep balığı bel kemiğindeki eser elementlerin X-Işını Floresans Tekniği ile analizi**
ÖZDEMİR Y., DURAK R.
Türk Fizik Derneği 23, uluslararası Fizik kongresi, Muğla, Turkey, 13 September 2005
- C. **Angular Dependence M X-ray Production Cross Section in Heavy Elements Between Lu and Pt At 5.96 keV**
DURAK R.
Geleneksel Erzurum Fizik Günleri II, Erzurum, Turkey, 24 - 27 May 2005, pp.1
- CI. **Angular Dependence M X-ray Production Cross Section in Heavy Elements Between Lu and Pt At 5.96 keV**
DURAK R.
Geleneksel Erzurum Fizik Günleri II, Erzurum, Turkey, 24 - 27 May 2005, pp.1
- CII. **Measurement of Angular Dependence M X-ray Production Cross Section in Heavy Elements at 5.96 keV**
DURAK R.
5 th General Conference of The Balkan Physical Union BPU, Montenegro, Serbia And Montenegro, 25 - 29 August 2003, pp.1
- CIII. **Measurement of Angular Dependence M X-ray Production Cross Section in Heavy Elements at 5.96 keV**
DURAK R.
5 th General Conference of The Balkan Physical Union BPU, Montenegro, Serbia And Montenegro, 25 - 29 August 2003, pp.1
- CIV. **Measurement of Angular Dependence From L3-Subshell to M-Shell Vacancy Transfer Probabilities For The Elements in The Atomic Region $71 \leq Z \leq 92$**
ÖZDEMİR Y., DURAK R.
Türk Fizik Derneği 21. Fizik kongresi, Isparta, Turkey, 11 September 2002
- CV. **P γ hoton-Excited L1, L2 and L3 subshell floorescence yields for some heavy elements**
ÖZDEMİR Y., DURAK R.
First Helenistic-Turkish international Physic Coference, Muğla, Turkey, 10 September 2001
- CVI. **Measurement of L-X-ray intensty ration of heavy atoms using radioisotope X-ray floorescence technique**
ÖZDEMİR Y., DURAK R.
First Helenistic-Turkish international Physic Coference, Kos, Greece, 10 September 2001
- CVII. **Photon excited L1, L2 and L3-Subshell Fluorescence Yields for Some Heavy Elements at 59.54 keV.**
DURAK R.

- First hellenic-turkish international physics conference, Muğla, Turkey, 10 - 15 September 2001, pp.1
- CVIII. Measurement of L X-ray intensity Ratios of Heavy Atoms Using Radioisotope X-ray Fluorescence Technique.**
DURAK R.
First hellenic-turkish international physics conference, Muğla, Turkey, 10 - 15 September 2001, pp.1
- CIX. Measurement of L X-ray intensity Ratios of Heavy Atoms Using Radioisotope X-ray Fluorescence Technique.**
DURAK R.
First hellenic-turkish international physics conference, Muğla, Turkey, 10 - 15 September 2001, pp.1
- CX. Photon excited L1, L2 and L3-Subshell Fluorescence Yields for Some Heavy Elements at 59.54 keV.**
DURAK R.
First hellenic-turkish international physics conference, Muğla, Turkey, 10 - 15 September 2001, pp.1
- CXI. Measurement of K- to L and M-shell Radiative Vacancy Transfer Probabilities in Lanthanide Elements by 59.54 keV Photons.**
DURAK R.
EDXRS 2000, Krakow, Poland, 18 - 23 June 2000, pp.1
- CXII. Li, La, LB and Ly X-ray productions cross- sectional and yields of some selected elements between Cs and Er following ionization by 59.54 keV gama rays**
ÖZDEMİR Y., DURAK R.
European Conferenceon Energy Dispersive Xray Spectrometry, Krakov, Poland, 18 June 2000
- CXIII. Measurement of K to L and M- Shell radiaitve vacancy transfer probablities in lanthanide elements by 59.54 keV photons**
ÖZDEMİR Y., DURAK R.
European Conferenceon Energy Dispersive Xray Spectrometry, Krakov, Poland, 18 June 2000
- CXIV. Coherent Scattering of 59.54 keV Gamma rays by Au Through Angles From 45° To 125°.**
DURAK R.
EDXRS 2000, Krakow, Poland, 18 - 23 June 2000, pp.1
- CXV. Measurement of K- to L and M-shell Radiative Vacancy Transfer Probabilities in Lanthanide Elements by 59.54 keV Photons.**
DURAK R.
EDXRS 2000, Krakow, Poland, 18 - 23 June 2000, pp.1
- CXVI. Coherent Scattering of 59.54 keV Gamma Rays by Au Through Angles From 45° To 125°.**
DURAK R.
EDXRS 2000, Krakow, Poland, 18 - 23 June 2000, pp.1
- CXVII. 59.5 keV De Atom Numarası 56 < Z < 66 Aralığında Olan Bazı Elementlerin K?/L? ve K?/L? giddet Oranlarının Ölçülmesi.**
DURAK R.
III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Turkey, 25 - 27 May 2000, pp.1
- CXVIII. 59.5 keV De Atom Numarası 56 < Z < 66 Aralığında Olan Bazı Elementlerin K?/L? ve K?/L? giddet Oranlarının Ölçülmesi.**
DURAK R.
III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Turkey, 25 - 27 May 2000, pp.1
- CXIX. 59.5 keV de Atom Numarası 56 <= Z <= 66 Aralığında Olan Bazı Elementlerin Ka/La ve La/LB ve Şiddet Oranlarının Ölçülmesi**
ÖZDEMİR Y., DURAK R.
III. Ulusal Atom ve Molekül Fiziği Sempozyumu, Erzurum, Turkey, 25 May 2000
- CXX. Atom Numarası 55<=Z<=68 Aralığında Olan Bazı Elementlerin K dan L ye ve M ye İşimalı Boşluk Geçiş İhtimallerinin Ölçülmesi**
ÖZDEMİR Y., DURAK R.
Türk Fizik Derneği 18. Fizik kongresi, Adana, Turkey, 25 October 1999, pp.22-26
- CXXI. 70<=Z<=92 Atom Numaralı Elementlerin L X-Işını Üretim Tesir Kesitleri ve Ortalama Floresans**

Verimlerinin Ölçülmesi

ÖZDEMİR Y., DURAK R.

Türk Fizik Derneği 18. Fizik kongresi, Adana, Turkey, 25 October 1999, pp.27-34

- CXXII. **Atom Numarası 55 ? Z ? 68 Aralığında Olan Bazı Elementlerin K'dan L'ye ve M'ye İşimalı Boşluk**

Geçiş İhtimallerinin Ölçülmesi

DURAK R.

TFD 18. Fizik Kongresi, Adana, Turkey, 25 - 28 October 1999, pp.1

- CXXIII. **Atom Numarası 70 ?Z? 90 Aralığında Olan Bazı Elementlerin Ll, L?, L? ve L? X Işını Üretim Tesir**

Kesitleri ve Ortalama L Tabakası Floresans Verimlerinin Ölçülmesi

DURAK R.

TFD 18. Fizik Kongresi, Adana, Turkey, 25 - 28 October 1999, pp.1

- CXXIV. **Atom Numarası 70 ?Z? 90 Aralığında Olan Bazı Elementlerin Ll, L?, L? ve L? X Işını Üretim Tesir**

Kesitleri ve Ortalama L Tabakası Floresans Verimlerinin Ölçülmesi

DURAK R.

TFD 18. Fizik Kongresi, Adana, Turkey, 25 - 28 October 1999, pp.1

- CXXV. **Atom Numarası 55 ? Z ? 68 Aralığında Olan Bazı Elementlerin K'dan L'ye ve M'ye İşimalı Boşluk**

Geçiş İhtimallerinin Ölçülmesi

DURAK R.

TFD 18. Fizik Kongresi, Adana, Turkey, 25 - 28 October 1999, pp.1

- CXXVI. **Radioizotop X-Işını Floresans Tekniğiyle Atom Numarası 58>=Z>=82 aralığında olan Bazı**

Elementlerin K-Tabakası Floresans Verimlerinin Ölçülmesi

ÖZDEMİR Y., DURAK R.

Türk Fizik Derneği 17. Fizik kongresi, Antalya, Turkey, 31 October 1998

- CXXVII. **Radyoizotop X Işını Floresans Tekniğiyle Atom Numarası 55? Z ?82 Aralığında Olan Bazı**

Elementlerin K Tabakası Floresans Verimlerinin Hesaplanması.

DURAK R.

TFD 17. Fizik Kongresi, Antalya, Turkey, 27 - 31 October 1998, pp.1

- CXXVIII. **Radyoizotop X Işını Floresans Tekniğiyle Atom Numarası 55? Z ?82 Aralığında Olan Bazı**

Elementlerin K Tabakası Floresans Verimlerinin Hesaplanması.

DURAK R.

TFD 17. Fizik Kongresi, Antalya, Turkey, 27 - 31 October 1998, pp.1

- CXXIX. **Measurement of K X-ray Fluorescence Cross Sections and Yields of Selected Elements From Zr To Yb**

Using Radiosotope X-ray Fluorescence.

DURAK R.

III. General Conference of The Balkan Physical Union, Cluj-Napoca, Romania, 2 - 05 September 1997, pp.1

- CXXX. **Measurement of K X-ray Fluorescence Cross Sections and Yields of Selected Elements From Zr To Yb**

Using Radiosotope X-ray Fluorescence.

DURAK R.

III. General Conference of The Balkan Physical Union, Cluj-Napoca, Romania, 2 - 05 September 1997, pp.1

- CXXXI. **Measuremenets of K X-Ray flouresences cross section and yields of selected elements from Zrand Yb**

using radioisotope XRF

Özdemir Y., Durak R.

3rd General Conference of the Balkan Physical Union, Cluj-Napoca, Romania, 02 September 1997

- CXXXII. **122 keV'de 40? Z ?70 Atom Numaralı Elementlerin Foton Uyarımı K X Işını Üretim Tesir Kesitleri.**

DURAK R.

TFD 16. Fizik Kongresi, Balıkesir, Turkey, 26 - 29 August 1996, pp.1

- CXXXIII. **122 keV'de 40? Z ?70 Atom Numaralı Elementlerin Foton Uyarımı K X Işını Üretim Tesir Kesitleri.**

DURAK R.

TFD 16. Fizik Kongresi, Balıkesir, Turkey, 26 - 29 August 1996, pp.1

- CXXXIV. **59.5 keV' lik Gamma Işınlarının Koherent Saçılması Üzerine Deneysel Çalışma.**

DURAK R.

- I. Ulusal Atom Ve Molekül Fiziği Sempozyumu, Ankara, Turkey, 24 - 26 June 1996, pp.1
- CXXXV. **59.5 keV' lik Gamma Işınlarının Koherent Saçılması Üzerine Deneysel Çalışma.**
DURAK R.
I. Ulusal Atom Ve Molekül Fiziği Sempozyumu, Ankara, Turkey, 24 - 26 June 1996, pp.1
- CXXXVI. **Koherent ve Compton Saçılma Diferansiyel Tesir Kesitlerinin Açısal Değiğiminin İncelenmesi**
DURAK R.
TFD 14. Fizik Kongresi,, Lefkoşa, Cyprus (Kktc), 25 - 27 October 1993, pp.1
- CXXXVII. **Koherent ve Compton Saçılma Diferansiyel Tesir Kesitlerinin Açısal Değiğiminin İncelenmesi**
DURAK R.
TFD 14. Fizik Kongresi,, Lefkoşa, Cyprus (Kktc), 25 - 27 October 1993, pp.1

Other Publications

- I. **8.02 Elektrik ve Manyetizma 2002 İlk Baharında Öğretildiği Gibi TÜBA Açık Ders Materyalleri**
DURAK R.
Lecture Note, pp.1040, 2011
- II. **8.02 Elektrik ve Manyetizma 2002 İlk Baharında Öğretildiği Gibi TÜBA Açık Ders Materyalleri**
DURAK R.
Lecture Note, pp.1040, 2011

Supported Projects

- DURAK R., Araz A., Project Supported by Higher Education Institutions, Radyasyon Zırhlama İçin Yeni Hafif Kompozit Malzemeler, 2019 - 2021
- DURAK R., GÜZELDİR B., GÜROL A., Project Supported by Higher Education Institutions, Fizik Bölümü Bilimsel Etkinliği ve Ar-Ge Potansiyelini Artırma Projesi, 2017 - 2019
- DURAK R., BALTAKESMEZ A., Project Supported by Higher Education Institutions, INTERNATIONAL PHYSICS CONFERENCE AT THE ANATOLIAN PEAK, IPCAP 2016, 2015 - 2016
- Durak R., Cinan E., Project Supported by Higher Education Institutions, International Physics Conference at the Anatolian Peak, IPCAP 2016, 2015 - 2016
- Durak R., Cinan E., Project Supported by Higher Education Institutions, Temel fizik labaratuvarının güncellenmesi ve yenilenmesi, 2014 - 2015
- DURAK R., BALTAKESMEZ A., Project Supported by Higher Education Institutions, TEMEL FİZİK LABORATUVARLARININ GÜNCELLENMESİ, YENİLENMESİ, 2014 - 2015
- DURAK R., TURHAN M. F., Project Supported by Higher Education Institutions, DİSPROSYUM BİLEŞİKLERİNİN FOTON ETKİLEŞME PARAMETRELERİNİN TAYİNİ, 2013 - 2015
- DURAK R., TURHAN M. F., Project Supported by Higher Education Institutions, BAZI TERMOLUMINESANS VE FOTOLUMINESANS BİLEŞİKLERİN ATOMİK PARAMETRELERİN İNCELENMESİ, 2013 - 2015
- DURAK R., TURHAN M. F., Project Supported by Higher Education Institutions, VAN GÖLÜ'NÜN ÇEVRESİ VE ÇEŞİTLİ DERİNLİKLERDEN ALINAN SU ,SEDİMENT,BALIK NUMUNELERİNİN EDXRF SPEKTROMETRE İLE ELEMENTAL ANALİZİ, 2012 - 2014
- DURAK R., TURHAN M. F., Project Supported by Higher Education Institutions, DOĞU ANADOLU BÖLGESİNDE BAZI İLLERDE KAPALI ORTAMLarda RADON AKTİVİTE KONSANTRASYONUNUN ÖLÇÜLMESİ VE RADYASYON RİSK HARİTASININ ÇIKARILMASI, 2011 - 2013
- DURAK R., TURHAN M. F., Project Supported by Higher Education Institutions, EDXRF COMPTON AZALTMA VE X İŞINI METOTLARINI KULLANARAK ATOM NUMARASI 40-Z-92 ARASINDAKİ BAZI ELEMENTLERİN K TABAKASI VE L3 ALT TABAKASI SOĞURMA SIÇRAMA FAKTÖRÜ VE SIÇRAMA ORANLARININ ÖLÇÜLMESİ VE AYNI ARALIKTAKİ BAZI ELEMENTLERİN BLEŞİKLERİNİN ETKİN ATOM NUMARASININ VE ETKİN ELEKTRON YOĞUNLUĞUNUN SOĞURMA SIÇRAMA FAKTÖRLERİNİN ÖLÇÜLMESİ, 2011 - 2013

DURAK R., Project Supported by Higher Education Institutions, A.Ü.PASİNLER MYO ELEKTRİK VE ENERJİ BÖLÜMÜ ÖĞRETMİ ELEMANLARINI SOSYOLOJİK BAKIMDAN MOTİVE EDECEK MATERYALLERİN HAZIRLANMASI PROJESİ, 2010 - 2011

Activities in Scientific Journals

Universal Journal of Materials Science, Committee Member, 2020 - Continues

MAYFEB Journal of Physics, Committee Member, 2016 - Continues

Memberships / Tasks in Scientific Organizations

European X-ray Spectrometry Association, Member, 2015 - Continues, Hungary

Türk Fizik Derneği, Member, 1992 - Continues

Tasks In Event Organizations

Durak R., 6th International Conference on Advances in Natural & Applied Sciences (ICANAS'22), Scientific Congress, Ağrı, Turkey, Ekim 2022

Durak R., 5th International Conference on Advances in Natural & Applied Sciences (ICANAS'21) , Scientific Congress, Ağrı, Turkey, Eylül 2021

Durak R., 4th International Conference on Advances in Natural & Applied Sciences (ICANAS'19), Scientific Congress, Ağrı, Turkey, Haziran 2019

Durak R., 3rd International Conference on Advances in Natural & Applied Sciences (ICANAS'18), Scientific Congress, Antalya, Turkey, Haziran 2018

Durak R., 3rd International Conference on Advances in Natural & Applied Sciences (ICANAS'17), Scientific Congress, Antalya, Turkey, Nisan 2017

Durak R., International Physics Conference at the Anatolian Peak, IPCAP, Scientific Congress, Erzurum, Turkey, Şubat 2016

Durak R., Traditional Days of Physics-II , Scientific Congress, Erzurum, Turkey, Mayıs 2005

Durak R., III. National Atomic and Molecular Physics Symposium, Scientific Congress, Erzurum, Turkey, Mayıs 2000

Scientific Research / Working Group Memberships

Ridvan Durak's Lab, Ataturk University, Turkey, <https://www.researchgate.net/lab/Ridvan-Durak-Lab>, 2012 - Continues

Metrics

Publication: 240

Citation (WoS): 741

Citation (Scopus): 762

H-Index (WoS): 15

H-Index (Scopus): 15

Congress and Symposium Activities

6th International Conference on Advances in Natural & Applied Sciences (ICANAS'22), Session Moderator, Ağrı, Turkey,

2022

- 3 rd International Conference on Advances in Natural and Applied Sciences, Session Moderator, Antalya, Turkey, 2018
2 nd International Conference on Advances in Natural and Applied Sciences, Session Moderator, Antalya, Turkey, 2017
Turkish Physical Society 32 nd International Physics Congress, Session Moderator, Muğla, Turkey, 2016
Determination of Trace Element Concentrations in Different Types Cancerous and Healthy Lung Tissues Using Icp-Oes Technique: Stage, Sex and Age Dependence, Attendee, Turkey, 2015
Measurement of Fluoresans Parameters of Some Ni and Zn Transition Metal Complexes With Carboxylic Acid Coordination, Attendee, İstanbul, Turkey, 2015
The Investigation of Chemical Effect on Some Cu And Fe Metal Complexes, Attendee, Turkey, 2015
Determination of the K Shell Absorption Jump Factor of Molecular and Atomic Cross Sections for Some Samarium Compounds, Attendee, Turkey, 2015
Measurement of Magnetic Quadrupole-Electric Dipole Mixing Ratios and Angular Distribution Parameters in Atomic Inner-Shell Transitions, Attendee, Montréal, Canada, 2013
A Study on Cu in Se₂ Thin Films Deposited by Spray Pyrolysis Technique, Attendee, Turkey, 2013
The Properties of The Zn in se Thin Film Grown by Silar Method, Attendee, Montréal, Canada, 2013
Measurements of Radiative Vacancy Transfer Probabilities for Some Elements Irradiated with Photons of 0.0208 Nanometer Wavelengths, Attendee, Alchevs`K, Ukraine, 2012

Awards

DURAK R., Uluslararası Bilimsel Yayınları Teşvik (UBYT) Programı, TÜBİTAK, May 2016