



ALI GÜROL

PROF.

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Address : Atatürk Üniversitesi Fen Fakültesi Fizik Bölümü
Yakutiye / Erzurum

International Researcher IDs

ScholarID: vRg03rIAAAAJ

ORCID: 0000-0001-9494-3533

Publons / Web Of Science ResearcherID: A-4870-2018

ScopusID: 6603596784

Yoksis Researcher ID: 2820

Biography

Atatürk Üniversitesi Fen-Edebiyat Fakültesi Fizik Bölümü mezunu olan Ali GÜROL, Atatürk Üniversitesi Fen-Bilimleri Enstitüsü Fizik Anabilim Dalında Doktorasını Tamamladı. 2008 yılında Doçent olan Ali GÜROL, 2013 yılından beri Atatürk Üniversitesi Fen Fakültesi Fizik Bölümünde Profesör olarak çalışmaktadır.

SCI ve SCI-Expanded kapsamındaki dergilerde 31 adet yayını olan Dr. GÜROL'un, Ulusal ve Uluslararası sempozyumlarda sunulmuş 14 adet bildirisi ve Ulusal hakemli dergilerde yayınlanan 3 adet makalesi bulunmaktadır. Ayrıca 15 adet Ulusal projede Yürütücü ve Araştırmacı olarak çalışmıştır.

1 adet Doktora ve 4 adet Yüksek Lisans tezi tamamlatan Dr. Gürol, X-Işınları, Radyasyon Fiziği ve Compton Profile konularında uzmanlaşmıştır.

Learning Knowledge

Postgraduate
1997 - 2010

Ataturk University, Fen Bilimleri Enstitüsü, Fizik / Atom Ve Molekül Fiziği, Turkey

Doctorate
2000 - 2004

Ataturk University, Fen Bilimleri Enstitüsü, Fizik / Atom Ve Molekül Fiziği, Turkey

Undergraduate
1993 - 1997

Ataturk University, Fen-Edebiyat Fakültesi, Fizik, Turkey

Foreign Languages

Dissertations

Doctorate, Bazı ferromanyetik elementler ve bileşiklerde X-ışını flöresans tesir kesitlerine manyetik alanın etkisi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik / Atom Ve Molekül Fiziği, 2004

Postgraduate, 59,5 keV'de $72 \leq Z \leq 92$ aralığındaki bazı elementlerin L alt tabaka ve toplam L tabaka fotoelektrik tesir kesitlerinin ölçülmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik / Atom Ve Molekül Fiziği, 2000

Academic Titles / Tasks

Professor 2013 - Continues	Ataturk University, Fen Fakültesi, Fizik
Associate Professor 2008 - 2013	Ataturk University, Fen Fakültesi, Fizik
Assistant Professor 2004 - 2008	Ataturk University, Fen Fakültesi, Fizik
Research Assistant 1999 - 2004	Ataturk University, Fen Fakültesi, Fizik

Supported Projects

- GÜROL A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Doğu Anadolu Gözlemevi, 2012 - Continues
- Yılmaz D., Gürol A., Gürses A., Maman A., Kalecik S., Project Supported by Higher Education Institutions, I-131 ve uranyum giderilmesinde modifiye bentonit kil tabanlı nanosorbentlerin hazırlanması ve nükleer spektroskopi uygulamalarının yapılması, 2022 - 2024
- GÜROL A., MOBTAKERI S., HABASHYANI S., BALBAY B., GÜR E., YILMAZ D., Project Supported by Higher Education Institutions, Alüminyumun yansıtma veriminin artırılması, 2021 - 2022
- KURUCU Y., YILMAZ D., GÜROL A., Project Supported by Higher Education Institutions, Bazı İkili Alaşımların Compton Profile Ölçümleri ve Yük Transferlerinin Belirlenmesi, 2019 - 2021
- YILMAZ D., BOYDAŞ E., GÜROL A., ŞAHİN Y., BİLİCİ E., Project Supported by Higher Education Institutions, Kalitatif X-ışını Spektrometrik Analizleri için Çeşitli Spektral Şiddet Oranı Metotlarının İncelenmesi, 2017 - 2020
- BOYDAŞ E., YILMAZ D., GÜROL A., KURUCU Y., TATLISU R., Project Supported by Higher Education Institutions, WDXRF sistemi kullanılarak Numune Kalınlığına bağlı olarak Compton ve Koherent saçılma Piklerindeki Değişimlerin İncelenmesi, 2018 - 2019
- GÜROL A., KURUCU Y., YILMAZ D., ŞAKAR E., GÜRBULAK B., FİDAN M., Project Supported by Higher Education Institutions, Fizik Bölümünün Ar-Ge ve İnnovasyon Potansiyelinin Geliştirilmesi, 2018 - 2019
- DURAK R., GÜZELDİR B., GÜROL A., Project Supported by Higher Education Institutions, Fizik Bölümü Bilimsel Etkinliği ve Ar-Ge Potansiyelini Artırma Projesi, 2017 - 2019
- ŞAHİN Y., YILMAZ D., GÜROL A., AKKUŞ T., Project Supported by Higher Education Institutions, ATOM NUMARASI $70 \leq Z \leq 92$ ARASINDA OLAN BAZI ELEMENT VE BİLEŞİKLERİN L X-İŞINLARININ AZİMUTHAL VE POLAR AÇISAL DAĞILIMLARININ İNCELENMESİ, 2016 - 2018
- YILMAZ D., GÜROL A., ŞAHİN Y., ŞAKAR E., AKKUŞ T., Project Supported by Higher Education Institutions, EDXRF

SİSTEMİ İLE ATOM NUMARASI 13Z79 ARASINDA OLAN BAZI ELEMENTLERİN ALBEDO PARAMETRELERİNİN BELİRLENMESİ, 2016 - 2018

11. GÜROL A., AKKUŞ T., YILMAZ D., ŞAKAR E., Project Supported by Higher Education Institutions, BAZI GAZLARIN ELEKTRON MOMENTUM DAĞILIMLARININ VE ONLARA BASINCIN ETKİSİNİN İNCELENMESİ, 2015 - 2017
12. GÜROL A., ŞAKAR E., Project Supported by Higher Education Institutions, CU/BE ALAŞIMLARININ ELEKTRON MOMENTUM DAĞILIMLARININ İNCELENMESİ, 2012 - 2014
13. GÜROL A., Project Supported by Higher Education Institutions, AL VE Sİ UN VE ONLARIN BAZI BİLEŞİKLERİNİN ELEKTRON MOMENTUM DAĞILIMLARININ İNCELENMESİ, 2011 - 2014
14. GÜROL A., Project Supported by Higher Education Institutions, MIKNATISLANMANIN FERROMANYETİK ELEMENTLERİN TEMEL ATOMİK PARAMETRELERİNE ETKİSİNİN ARAŞTIRILMASI, 2011 - 2013
15. GÜROL A., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Doğu Anadolu Gözlemevi Projesi, 2011 - 2011

Awards

1. Aydoğan Z., İncekara Ü., Gürol A., En İyi Sunum Ödülü, Sağlık Bakanlığı: Ulusal Su Ve Sağlık Kongresi, 26-30 Ekim, Antalya , October 2015

Jury Memberships

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Atatürk Üniversitesi, October, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Recep Tayyip Erdoğan Üniversitesi, June, 2023

Doctorate, Doctorate, Atatürk Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2022

Doctorate, Doctorate, Atatürk Üniversitesi, December, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2022

Post Graduate, Post Graduate, Erzincan Binali Yıldırım Üniversitesi, January, 2022

Post Graduate, Post Graduate, Erzincan Binali Yıldırım Üniversitesi, January, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021

Appointment to Academic Staff-Professorship, Appointment Academic Staff, Bursa Teknik Üniversitesi, July, 2021

Doctorate, Doctorate, Atatürk Üniversitesi, June, 2021

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2021
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, February, 2021
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, January, 2021
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, November, 2020
Competition, Ortaokul Öğrencileri Araştırma Projeleri Yarışması Erzurum Bölge Sergisi, Ataturk University, October, 2020
Associate Professor Exam, Associate Professor Exam, Ataturk University, June, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, February, 2020
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, January, 2020
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2019
Doctorate, Doctorate, Atatürk Üniversitesi, May, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, April, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, April, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, April, 2019
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, April, 2019
Doctorate, Doctorate, Atatürk Üniversitesi, January, 2019
Appointment to Academic Staff-Assistant Professorship, Dr. Melek Fidan, Atatürk Üniversitesi, October, 2018
Appointment to Academic Staff-Assistant Professorship, Dr. Erhan Cengiz, Alanya Alaaddin Keykubat Üniversitesi, January, 2018
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, December, 2017
Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2017
Academic Staff Examination, Arş. Gör. Sınavı, Atatürk Üniversitesi, November, 2017
Appointment to Academic Staff-Professorship, Koray Aydın, Pamukkale Üniversitesi, July, 2017
Associate Professor Exam, Doçentlik Sınav Jürisi, Üniversiteler Arası Kurul, February, 2017
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Atatürk Üniversitesi, January, 2017
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2016
Post Graduate, Post Graduate, Atatürk Üniversitesi, December, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Experimental investigation of some photon interaction parameters of popular restorative dental materials with a non-destructive technique**
Kalecik S., Yılmaz D., Gürol A., Özdoğan A., Kurucu Y.
PHYSICA SCRIPTA, vol.99, no.6, 2024 (SCI-Expanded)
- 2. Effective atomic numbers and number, energy and dose albedos of different colored thermoplastic materials**
Yılmaz D., Kurucu Y., Gürol A.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.178, no.3-4, pp.325-334, 2023 (SCI-Expanded)
- 3. An investigation on compatibility of experimental effective atomic numbers of some Fe-Ni alloys with those predicted by MCNP**

Kalecik S., Yılmaz D., Kurucu Y., Gürol A., Toker O., İçelli O.

Radiation Physics and Chemistry, vol.202, 2023 (SCI-Expanded)

4. **Physical properties, experimental and theoretical gamma-ray shielding properties of some boron compounds**
EKİNCİ N., El-Agawany F., GÜROL A., Rammah Y. S., Ahmed E. M., YILMAZ D., Aygun B., Somer M.
RADIATION PHYSICS AND CHEMISTRY, vol.194, 2022 (SCI-Expanded)
5. **Two new edible insect species from Ghana and their chemical content evaluation**
Aydoğan Z., İncekara Ü., Gürol A.
INTERNATIONAL JOURNAL OF TROPICAL INSECT SCIENCE, vol.41, no.4, pp.3049-3054, 2021 (SCI-Expanded)
6. **Study of the relationship between different intensity ratios and effective atomic number in diluted uranium samples**
YILMAZ D., GÜROL A.
RADIATION PHYSICS AND CHEMISTRY, vol.179, 2021 (SCI-Expanded)
7. **Efficient removal of iodine-131 from radioactive waste by nanomaterials**
Yılmaz D., Gürol A.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.49, no.1, pp.45-54, 2021 (SCI-Expanded)
8. **Investigation of gamma ray attenuation features of bismuth oxide nano powder reinforced high-density polyethylene matrix composites**
Abdalsalam A. H., Şakar E., Kaky K. M., Mhareb M., Sakar B., Sayyed M., Gürol A.
RADIATION PHYSICS AND CHEMISTRY, vol.168, 2020 (SCI-Expanded)
9. **Effect of heat treatment temperature to the crystal growth and optical performance of Mn3O4 doped alpha-Zn2SiO4 based glass-ceramics**
Zaid M. H. M., MATORİ K. A., Ab Aziz S. H., KAMARİ H. M., FEN Y. W., YAAKOB Y., Sa'at N. K., GÜROL A., ŞAKAR E.
RESULTS IN PHYSICS, vol.15, 2019 (SCI-Expanded)
10. **Gamma and neutron radiation effect on Compton profile of the multi-walled carbon nanotubes**
Şakar E., Akbaba U., Zukowski E., Gürol A.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.437, pp.20-26, 2018 (SCI-Expanded)
11. **Heavy metal accumulation in some aquatic insects (Coleoptera: Hydrophilidae) and tissues of Chondrostoma regium (Heckel, 1843) relevant to their concentration in water and sediments from Karasu River, Erzurum, Turkey**
Aydoğan Z., Şişman T., İncekara Ü., Gürol A.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.24, no.10, pp.9566-9574, 2017 (SCI-Expanded)
12. **Experimental K X-ray intensity ratios of some heavy elements**
ŞAKAR E., GÜROL A., Bastug A.
RADIATION PHYSICS AND CHEMISTRY, vol.131, pp.105-107, 2017 (SCI-Expanded)
13. **The investigation of heavy element accumulation in some Hydrophilidae (Coleoptera) species**
Aydoğan Z., Gürol A., İncekara Ü.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.188, no.4, 2016 (SCI-Expanded)
14. **In situ determination of radioisotopes in certain spring waters and Spring Mud in Erzurum, Turkey**
Akbaba U., ŞAKAR E., Sahin Y., GÜROL A.
Asian Journal of Chemistry, vol.28, no.6, pp.1393-1396, 2016 (SCI-Expanded)
15. **Differential inelastic scattering cross-section of silicon and gallium arsenide semiconductor crystals**
Kabil H., ŞAKAR E., Meral A., ŞAHİN M., GÜROL A.
Asian Journal of Chemistry, vol.28, no.6, pp.1389-1392, 2016 (SCI-Expanded)
16. **X-ray fluorescence analysis of archaeological artefacts from Bozcaada (Tenedos), Turkey**
Gürol A., Tavukcu A. Y., Sakar E., Tavukcu Z. A., Basaran C., Baştuğ A.
POST-MEDIEVAL ARCHAEOLOGY, vol.50, no.2, pp.412-419, 2016 (AHCI)
17. **Studies on mass attenuation coefficient, effective atomic number and electron density of some thermoluminescent dosimetric compounds**
ÖNDER P., TURŞUCU A., Demir D., GÜROL A.

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.292, pp.1-10, 2012 (SCI-Expanded)

18. **Photon energy absorption parameters for composite mixtures with boron compounds**
Baştu A., İelli O., GÜROL A., Şahin Y.
ANNALS OF NUCLEAR ENERGY, vol.38, no.10, pp.2283-2290, 2011 (SCI-Expanded)
19. **ELEMENTAL ANALYSIS OF DIFFERENT RADISH (RAPHANUS SATIVUS L.) CULTIVARS BY USING WAVELENGTH-DISPERSIVE X-RAY FLUORESCENCE SPECTROMETRY (WDXRF)**
KAYMAK H. Ç., GUVENC I., GÜROL A.
BULGARIAN JOURNAL OF AGRICULTURAL SCIENCE, vol.16, no.6, pp.769-774, 2010 (SCI-Expanded)
20. **Effective atomic numbers of some composite mixtures including borax**
Baştuğ A., GÜROL A., İÇELLİ O., Şahin Y.
ANNALS OF NUCLEAR ENERGY, vol.37, no.7, pp.927-933, 2010 (SCI-Expanded)
21. **DETERMINATION OF MASS ATTENUATION COEFFICIENTS OF SOME SEMICONDUCTOR AND BIOLOGICAL SAMPLES**
EKİNCİ N., GÜROL A., DURNA D., GÜRBULAK B.
ANALYTICAL LETTERS, vol.43, no.13, pp.1999-2008, 2010 (SCI-Expanded)
22. **Correlation between endogenous elements and development of hollowing in the root of radish (Raphanus sativus L.) cultivars**
KAYMAK H. Ç., GÜVENÇ İ., GÜROL A.
ZEMDIRBYSTE-AGRICULTURE, vol.97, no.3, pp.97-104, 2010 (SCI-Expanded)
23. **Nondestructive analysis of the gold quarter liras**
Çakır C., Gürol A., Demir L., Şahin Y.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.279, no.1, pp.345-348, 2009 (SCI-Expanded)
24. **Measurements of K X-ray fluorescence cross sections of Fe, Co, and Ni in an external magnetic field**
GÜROL A., KARABULUT A., ERTUĞRUL M., Budak G.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.279, no.1, pp.171-178, 2009 (SCI-Expanded)
25. **Measurements of the K X-ray intensity ratios by using energy-dispersive X-ray fluorescence spectrometry**
GÜROL A.
APPLIED RADIATION AND ISOTOPES, vol.66, no.3, pp.372-376, 2008 (SCI-Expanded)
26. **Determination of inorganic element concentrations between two Laccophilus species (Dytiscidae : Coleoptera) by energy dispersive X-ray fluorescence (WDXRF) spectrometry**
Erman O. K., GÜROL A.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.16, no.12B, pp.1627-1635, 2007 (SCI-Expanded)
27. **Measurements of L XRF fluorescence cross-sections and relative intensity ratios for some elements in the atomic range $72 \leq Z \leq 92$**
KARABULUT A., GÜROL A.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.244, no.2, pp.303-306, 2006 (SCI-Expanded)
28. **Determination of inorganic element differences between male and female of a water beetle species, Agabus bipustulatus (Dytiscidae : Coleoptera) by WDXRF analyses**
Erman O. K., Guerol A., Dumlupinar R.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.15, no.7, pp.697-703, 2006 (SCI-Expanded)
29. **The role of iron and zinc in chemotherapy-induced alopecia**
BUYUKAVCI M., GÜROL A., KARABULUT A., Budak G., KARACAN M.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.95, no.2, pp.255-261, 2005 (SCI-Expanded)
30. **K-shell absorption jump factors for the elements Ag, Cs, Ba and La derived from new mass attenuation coefficient measurements using EDXRF technique**
POLAT R., BUDAK G., GÜROL A., KARABULUT A., ERTUĞRUL M.
RADIATION MEASUREMENTS, vol.39, no.4, pp.409-415, 2005 (SCI-Expanded)

31. **K shell and L subshell and L shell photoeffect cross-sections in the atomic region $40 \leq Z \leq 52$ and $58 \leq Z \leq 68$ at 59.537keV**
KARABULUT A., GÜROL A., BUDAK G., ERTUĞRUL M.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.227, no.4, pp.485-489, 2005 (SCI-Expanded)
32. **Elemental composition of cement Kiln dust, raw material and cement from a coal-fired cement factory using energy dispersive X-ray fluorescence spectroscopy**
POLAT R., GÜROL A., BUDAK G., KARABULUT A., ERTUĞRUL M.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.83, no.3-4, pp.377-385, 2004 (SCI-Expanded)
33. **Determination of P, S, Cl, K, and Ca in human urinary stones by EDXRF**
GÜROL A., Ergen E., KARABULUT A., POLAT R., Altinkaynak K., Budak G.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.32, no.1, pp.69-76, 2004 (SCI-Expanded)
34. **The qualitative and quantitative analysis of Sarikamis ore by energy dispersive X-ray fluorescence**
EKİNCİ N., GÜROL A., POLAT R., BUDAK G., KARABULUT A.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.258, no.1, pp.163-165, 2003 (SCI-Expanded)
35. **Measurements of L subshell and L shell x-ray fluorescence cross-sections for U and Th**
GÜROL A., POLAT R., KARABULUT A., BUDAK G.
X-RAY SPECTROMETRY, vol.32, no.2, pp.161-165, 2003 (SCI-Expanded)
36. **L-subshell and total L-shell photoeffect cross-sections measurements for Pb, Au, W, and Ta at 59.5 keV**
GÜROL A., KARABULUT A., POLAT R., BUDAK G., ŞAHİN Y., ERTUĞRUL M.
RADIATION PHYSICS AND CHEMISTRY, vol.66, no.3, pp.197-205, 2003 (SCI-Expanded)
37. **Determination of ore concentrates by energy dispersive X-ray fluorescence spectrometry**
POLAT R., GÜROL A., EKİNCİ N., ÇAKIR C., BASTUG A., Budak G., KARABULUT A.
JOURNAL OF TRACE AND MICROPROBE TECHNIQUES, vol.21, no.1, pp.63-71, 2003 (SCI-Expanded)
38. **Measurements of L subshell and total L shell photoeffect cross-sections for some elements in $72 \leq Z \leq 92$**
KARABULUT A., GÜROL A., BUDAK G., POLAT R.
EUROPEAN PHYSICAL JOURNAL D, vol.21, no.1, pp.57-61, 2002 (SCI-Expanded)
39. **K shell fluorescence yields for elements with $33 \leq Z \leq 53$ using 59.5 keV photons**
İmşek Ö., Ertugrul M., KARAGÖZ D., BUDAK G., Karabulut A., Yılmaz S., Doan O., Turgut Ü., Söüt Ö., POLAT R., et al.
RADIATION PHYSICS AND CHEMISTRY, vol.65, no.1, pp.27-31, 2002 (SCI-Expanded)
40. **EDXRF analysis of murgul pyrite ore concentrates**
KARABULUT A., BUDAK G., POLAT R., GÜROL A., Levent M., ŞAHİN Y.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, vol.72, no.5, pp.741-746, 2002 (SCI-Expanded)

Articles Published in Other Journals

1. **Compton Scattering Measurements of Ar and O2 Using 59.54 keV Gamma-rays**
Şakar E., Gürol A.
Türk Doğa ve Fen Dergisi, vol.9, no.1, pp.19-23, 2020 (Peer-Reviewed Journal)
2. **Measurement of Heavy Metals/Metalloids Levels with Using Dytiscidae (Coleoptera) Species, Collected from Six Different Cities of Turkey**
Aydoğan Z., İncekara Ü., Gürol A., Darılmaz M. C.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.3, pp.1559-1565, 2020 (Peer-Reviewed Journal)
3. **Erzurum İlindeki Farklı Hydrophilidae (Coleoptera) Türlerini Kullanarak Ağır Element Kirliliğinin Değerlendirilmesi**
Aydoğan Z., İncekara Ü., Gürol A.

- Anadolu Ege Tarımsal Araştırma Enstitüsü Dergisi, vol.29, pp.50-56, 2019 (Peer-Reviewed Journal)
4. **Heavy Element Accumulation in Aquatic Beetles of the Genus Enochrus (Coleoptera: Hydrophilidae) in Erzurum Province**
Aydoğan Z., Gürol A., İncekara Ü.
Journal of Environmental Pollution and Control, vol.1, no.1, pp.1-7, 2018 (Peer-Reviewed Journal)
 5. **Heavy element accumulation in some Agabus species (Coleoptera: Dytiscidae) from different provinces of Turkey**
Aydoğan Z., İncekara Ü., Darılmaz M. C., Gürol A.
MUNIS ENTOMOLOGY & ZOOLOGY, vol.13, no.2, pp.698-701, 2018 (Peer-Reviewed Journal)
 6. **HEAVY ELEMENT ACCUMULATION IN SOME AGABUS SPECIES (COLEOPTERA: DYTISCIDAE) FROM DIFFERENT PROVINCES OF TURKEY**
Aydoğan Z., İncekara Ü., Darılmaz M. C., Gürol A.
Munis Entomology Zoology, vol.13, no.2, pp.698-701, 2018 (Peer-Reviewed Journal)
 7. **Bioaccumulation of Heavy Elements in Laccobius spp. (Coleoptera: Hydrophilidae) and their Abiotic Environment from Polluted and Unpolluted Areas of Erzurum Wetlands, Turkey.**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
Austin Environ Sci, vol.3, no.1, pp.1-5, 2018 (Peer-Reviewed Journal)
 8. **Preliminary Study on Edible Insect Species *Cybister limbatus* (Fabricius 1775) and Its Heavy Element Contents**
Aydoğan Z., İncekara Ü., Gürol A.
ANADOLU Ege Tarımsal Araştırma Enstitüsü Dergisi, vol.28, no.1, pp.94-99, 2018 (Peer-Reviewed Journal)
 9. **MONITORING CHEMICAL CONTAMINATION LEVELS IN KARASU RIVER BASED ON THE USE OF ENOCHRUS SPP. (HYDROPHILIDAE) AND CHONDROSTOMA REGIUM (CYPRINIDAE)**
Aydoğan Z., İncekara Ü., Şişman T., Gürol A.
The Turkish Journal of Occupational / Environmental Medicine and Safety, vol.2, no.1(3), pp.486-492, 2017 (Peer-Reviewed Journal)
 10. **Investigation of Atomic and Molecular Spectrum of g Herculis**
AKÇA B., YEŞİLYAPRAK C., GÜROL A.
American Journal of Engineering Research (AJER), vol.6, no.6, pp.109-116, 2017 (Peer-Reviewed Journal)
 11. **Variation of Compton Profiles of N₂ with Increasing Pressures**
ŞAKAR E., GÜROL A., YÜCEL O.
Sinop Uni J Nat Sci, vol.1, no.2, pp.2-8, 2016 (Peer-Reviewed Journal)
 12. **Heavy Element Accumulation in Some Hydrophilidae Coleoptera Collected From Rural Part of Erzurum Province Turkey**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
International Journal of Advances in Chemical Engineering and Biological Sciences, vol.3, no.1, pp.147-148, 2016 (Peer-Reviewed Journal)
 13. **Heavy Metal Concentration in Biotic and Abiotic Samples of Industrial Wastewater**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
International Journal of Advances in Chemical Engineering and Biological Sciences, vol.3, no.1, pp.149-150, 2016 (Peer-Reviewed Journal)
 14. **Element Content Analysis of Edible Insect of Ghana Curculionidae *Sitophilus zeamais* Using EDXRF Spectrometer**
Aydoğan Z., Gürol A., İncekara Ü., Tahidu O. T.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.2, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

1. **MÜHENDİSLER VE FEN BİLİMCİLER İÇİN FİZİK 1. CİLT SORULARI VE ÇÖZÜMLERİ**
GÜROL A., YILMAZ D., BOYDAŞ E., YILDIRIM M., DUMAN S., ŞAHİN Y., GÜRBULAK B., TURGUT G.

Atatürk Üniversitesi Yayınları No: 1233, Erzurum, 2019

2. **Fen ve Mühendisler için Fizik I. Cilt Soruları ve Çözümleri**
ŞAHİN Y., YILDIRIM M., GÜRBULAK B., GÜROL A., YILMAZ D., BOYDAŞ E., DUMAN S., TURGUT G.
Atatürk Üniversitesi Yayın Koordinatörlüğü, Erzurum, 2019
3. **11. Bölüm**
GÜROL A.
in: Mühendisler ve Fen bilimcileri İçin Fizik I. Cilt Soru ve Çözümleri, Muhammet Yıldırım, Yusuf Şahin, Editor,
Atatürk Üniversitesi Yayınları No:1233, Erzurum, pp.152-162, 2019
4. **8. Bölüm**
YILMAZ D., GÜROL A.
in: Mühendisler ve Fen bilimcileri İçin Fizik I. Cilt Soru ve Çözümleri, Muhammet Yıldırım, Yusuf ŞAHİN, Editor,
Atatürk Üniversitesi Yayınları No:1233, Erzurum, pp.121-132, 2019
5. **Statik ve Denge**
GÜROL A.
in: Mühendisler ve Fen Bilimleri için Fizik, Yusuf Şahin; Muhammet Yıldırım, Editor, Korza Yayıncılık, Ankara, pp.379-406, 2018
6. **Statik ve Denge**
GÜROL A.
in: Mühendisler ve Fen Bilimleri için Fizik, Yusuf Şahin; Muhammet Yıldırım, Editor, Korza Yayıncılık, Ankara, pp.379-406, 2018
7. **Momentum, İtme ve Çarpışmalar**
GÜROL A., YILMAZ D.
in: Mühendisler ve Fen Bilimciler için Fizik Cilt I, YUSUF ŞAHİN, MUHAMMET YILDIRIM, Editor, Korza Yayıncılık Basım San. ve Tic. A.Ş., pp.261-310, 2018

Refereed Congress / Symposium Publications in Proceedings

1. **Effective atomic numbers of some thermoplastic materials for 59.54keV gamma rays.**
KALECİK S., YILMAZ D., GÜROL A., KURUCU Y.
ICNAS 2021, Erzurum, Turkey, 10 - 12 September 2021
2. **Effective Atomic Numbers of Some Thermoplastic Materials For 59.54 KeV Gamma Rays**
Kalecik S., Yılmaz D., Gürol A., Kurucu Y.
1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS 2021), Erzurum, Turkey, 10 - 12 September 2021
3. **Removal Efficiency of I-131 BY Charcoal and Bentonite Clay**
Kalecik S., Yılmaz D., Gürol A.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS 2021), Erzurum, Turkey, 10 - 12 September 2021
4. **Experimental and Theoretical Analysis of the Electron Momentum Distributions of Cu_{0.6}Zn_{0.4} and Cu_{0.58}Zn_{0.4}Pb_{0.02} Alloys**
ŞAKAR E., ALIM B., ÖZPOLAT Ö. F., GÜROL A.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE (ICANAS 2019), 19 - 22 June 2019
5. **DETERMINATION OF HEAVY METALS/METALLOIDS IN SOME DYTISCIDAE SPECIES (COLEOPTERA) FROM THREE DIFFERENT CITIES OF TURKEY**
Aydoğan Z., Darılmaz M. C., İncekara Ü., Gürol A.
III. Avrasya Multicongress, Gaziantep, Gaziantep, Turkey, 4 - 07 April 2019, pp.330-333
6. **Heavy element contamination of some Dytiscidae (Coleoptera) species.**
AYDOĞAN Z., DARILMAZ M. C., İNCEKARA Ü., GÜROL A.
Uluslararası Tarım, Çevre ve Sağlık Kongresi, Aydın., 26 - 28 October 2018
7. **Heavy metal contamination of Some Dytiscidae (Coleoptera) Species**

AYDOĞAN Z., DARILMAZ M. C., İNCEKARA Ü., GÜROL A.

Uluslararası Tarım, Çevre ve Sağlık kongresi, 26 - 28 October 2018

8. **Heavy Metal/Metalloid Content of Some Dytiscidae (Coleoptera) Species From Afyon Province, Turkey.**
AYDOĞAN Z., DARILMAZ M. C., GÜROL A., İNCEKARA Ü.
İğdır Conferance on Multidiciplinary Studies., 6 - 07 October 2018
9. **THE DISSOLUTION OF ARSENIC AND BORON ELEMENTS IN SECONDARYMINERALS OBTAINED IN BASALT OF AGRI MOUNTAIN IN ULTRA PUREWATER**
AŞKIN S., GÜROL A., ÖZTÜRK E.
II. International Scientific and Vocational Studies Congress222BILMES CONGRESS 2018 KIRIKKALE UNIVERSITYAĞRI, Nevşehir, Turkey, 05 July 2018 - 08 July 2019, vol.2, pp.222-223
10. **CHROMIUM ORE AND TUNGSTEN ORE ADDED SHIELDINGGAMMA AND NEUTRON RADIATION HIGH-PERFORMANCE NEW HEAVY CONCRETE**
AYGÜN B., ŞAKAR E., KORKUT T., KARABULUT A., GÜROL A.
TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS, SEPTEMBER 5-9, 2018, BODRUM /TURKEY, 5 - 09 September 2018
11. **Gamma and Neutron Radiation Shielding Properties of Heavy Concretes Including Chromium and Tungsten Ore**
AYGÜN B., ŞAKAR E., KORKUT T., KARABULUT A., GÜROL A.
TFD34 – Turkish Physical Society 34th International Physics Congress, 5 - 09 September 2018
12. **EFFECT OF BORIDING AND PLASMA NITRIDING PROCESS ON GAMMA ATTENUATION PARAMETERS OF HARDOX 400 ALLOY**
ŞAKAR E., UZUNOĞLU Z., MİNDİVAN H., GÜROL A.
Yedinci Bozok Bilim Çalıştayı, Yozgat, Turkey, 8 - 10 August 2018, vol.14, pp.14
13. **Ecological risk assessment of heavy metal pollution with using some Dytiscidae (Coleoptera) species, collected from Denizli Province, Turkey**
AYDOĞAN Z., İNCEKARA Ü., DARILMAZ M. C., GÜROL A.
II. Uluslararası Şehir, Çevre ve Sağlık Kongresi, 16 - 20 April 2018
14. **Heavy metal contamination of irrigated areas and accumulation by some Dytiscidae species (Coleoptera)**
AYDOĞAN Z., DARILMAZ M. C., İNCEKARA Ü., GÜROL A.
Ecology 2018, 19 - 23 June 2018
15. **Development and Production of Fast Neutron and Gamma Radiation Shielding New Composite Materials with Epoxy Based Carbon Fiber and Metal Oxide Additives**
AYGÜN B., ŞAKAR E., KORKUT T., KARABULUT A., GÜROL A.
International Conference on Advances in Natural and Applied Sciences (ICANAS 2018), 9 - 12 May 2018
16. **Assessment Of Heavy Element Pollution in Surface Water Of Erzurum Wetlands**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
Uluslararası Su ve Çevre Kongresi SUÇEV (22-24 Mart 2018) Bursa/Türkiye, 22 - 24 March 2018
17. **Effect of plasma nitriding and boriding treatments on mass attenuation coefficient for hardox 400 alloy**
ŞAKAR E., UZUNOĞLU Z., GÜROL A., MİNDİVAN H.
Turkish Physical Society 33rd International Physics Congress, BODRUM, Turkey, 6 - 10 October 2017
18. **Şiddet oranları kullanılarak EDXRF sistemi ile ortalama atom numarasının belirlenmesi**
Uzunoglu Z., ŞAHİN Y., YILMAZ D., GÜROL A.
ADIM FİZİK GÜNLERİ VI, Turkey, 19 - 21 July 2017
19. **The Bioavailability of Chemicals in Hydrophilidae (Coleoptera) and Their Abiotic Environment**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
ECOLOGY 2017, 11 - 13 May 2017, pp.778
20. **İnvestigation of Albedo factos of some elements for 59.54 keV**
YILMAZ D., BOYDAŞ E., AKKUŞ T., ŞAHİN Y., GÜROL A., Alım B.

2 nd International Conference of Advances in Natural and Applied Sciences, 18 - 21 April 2017

21. **Investigation of Albedo Factors of Some Elements for 59.54 keV**
YILMAZ D., BOYDAŞ E., AKKUŞ T., ŞAHİN Y., GÜROL A., ALIM B.
INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES (ICANAS 2017), Turkey, 18 - 21 April 2017
22. **Edible insect as part of the traditional food of many countries and their heavy element contents**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
BEWS 2017-INTERNATIONAL SYMPOSIUM ON BIODIVERSITY and Edible Wild Species, 3 - 05 April 2017, pp.334
23. **Monitoring Chemical Contamination Levels in Karasu River Based on the Use of Enochrus Spp. (Hydrophilidae) and Chondrostoma regium (Cyprinidae)**
Aydoğan Z., İncekara Ü., Şişman T., Gürol A.
2. International Water and Health Congress, Antalya, Turkey, 13 - 17 February 2017, vol.1, pp.473-474
24. **Variation of Compton Profiles of the CO₂ at Different Pressures**
GÜROL A., ŞAKAR E.
International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Turkey, 18 - 21 April 2017, vol.1833
25. **Biological Water Quality Assessment of Karasu River Erzurum Turkey Use of Insects Fish and Abiotic Samples**
AYDOĞAN Z., ŞİŞMAN T., İNCEKARA Ü., GÜROL A.
4. Uluslararası Kentsel ve Çevresel Sorunlar ve Politikalar Kongresi, 20 - 22 October 2016, pp.634-637
26. **Biological water quality assessment of Karasu River Erzurum Turkey Use of insects fish and abiotic sample**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
4. Uluslararası Kentsel ve Çevresel Sorunlar ve Politikalar Kongresi, 20 - 22 September 2016
27. **USE OF BIOINDICATORS FOR MONITORING THE HEAVY ELEMENT STATUS OF KARASU RIVER ERZURUM TURKEY**
AYDOĞAN Z., ŞİŞMAN T., İNCEKARA Ü., GÜROL A.
FABA 2016: International Symposium on Fisheries and Aquatic Sciences, Antalya, Turkey, 3 - 05 October 2016
28. **THE EFFECT OF MAGNETIZATION ON X RAYFLUORESCENCE CROSS SECTIONS**
YALÇIN P., terzi m., GÜROL A.
Fifth Bozok Science Workshop: Nano Carbon Materials and Their Applications, Yozgat, Turkey, 28 - 29 April 2016
29. **Heavy Element Accumulation in Some Hydrophilidae Coleoptera Collected from Rural Part of Erzurum Province Turkey**
Aydoğan Z., GÜROL A., İNCEKARA Ü.
International Conference Proceedings of 2016 International Conference on Biology, Waste Management and Chemical Processes (BWMCP-16), İstanbul, Turkey, 30 - 31 May 2016, pp.87-89
30. **Heavy Element Accumulation in Some Hydrophilidae Coleoptera Collected From Rural Part of Erzurum Province Turkey**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
International Conference on Biology, Waste Management and Chemical Processes (BWMCP-16), İstanbul, Turkey, 30 - 31 May 2016, pp.87-89
31. **Heavy Metal Concentration in Biotic and Abiotic Samples of Industrial Wastewater**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
International Conference on Biology, Waste Management and Chemical Processes(BWMCP-16), İstanbul, Turkey, 30 May 2016, pp.90-92
32. **Measurement of the Contribution of the Chemical Effect on the Compton Scattering**
Kaya M., ŞAHİN M., GÜROL A.
International Conference on Advances in Natural and Applied Sciences, 21 - 23 April 2016
33. **Compton Profile Measurements of N₂ at Different Pressures**
ŞAKAR E., GÜROL A., YILMAZ D., WEYRİCH W.
International Physics Conference at Anatolian Peak, 25 - 27 February 2016

34. **Afşin Elbistan Termik Santral Emisyonlarının Biyotik ve Abiyotik Öğelerde Ağır Element Birikimlerinin Araştırılması**
Aydoğan Z., Bektaş M., İncekara Ü., Gürol A.
su ve sağlık kongresi, Antalya, Turkey, 26 October 2015, pp.374-375
35. **AFŞİN ELBİSTAN TERMİK SANTRALEMİSYONLARININ BİYOTİK VE ABİYOTİK ÖĞELERDE AĞIR ELEMENT BİRİKİMLERİNİN ARAŞTIRILMASI**
AYDOĞAN Z., BEKTAŞ M., İNCEKARA Ü., GÜROL A.
su ve sağlık kongresi, Antalya, Turkey, 26 - 30 September 2015
36. **AŞKALE ÇİMENTO FABRİKASI CİVARINDAN ALINAN BİYOTİK VE ABİYOTİK ÖRNEKLERDE AĞIR ELEMENT BİRİKİMLERİNİN ARAŞTIRILMASI**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
Su ve Sağlık Kongresi, Antalya, Turkey, 26 - 30 September 2015
37. **BAZI SUCUL BÖCEK TÜRLERİNDE COLEOPTERA HYDROPHILIDAE AĞIR ELEMENT BİRİKİMLERİNİN ARAŞTIRILMASI**
AYDOĞAN Z., İNCEKARA Ü., GÜROL A.
Su ve Sağlık Kongresi, Antalya, Turkey, 26 - 30 September 2015
38. **Afşin Elbistan termik santrali civarı bazı biyotik ve abiyotik öğelerinde ağır element birikimlerinin araştırılması**
BEKTAŞ M., AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
Sağlıklı Su Yönetimi Kongresi, Erzurum, Turkey, 20 - 22 May 2015
39. **Karasu Nehrinde Erzurum Biyotik ve Abiyotik Öğelerde Ağır Element Birikimlerinin Araştırılması**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
Sağlıklı Su Yönetimi Kongresi, Turkey, 20 - 22 May 2015
40. **Afşin Elbistan termik santral civarı bazı biyotik ve abiyotik öğelerinde ağır element birikimlerinin araştırılması**
Bektaş M., Aydoğan Z., Gürol A., İncekara Ü.
sağlıklı su yönetimi kongresi, Erzurum, Turkey, 20 - 22 May 2015, pp.276-278
41. **USAGE OF SOME AQUATIC INSECTS IN DETERMINATION OF POTENTIAL HEAVY ELEMENT POLLUTION**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
FABA 2014: International Symposium on Fisheries and Aquatic Sciences, 25 - 27 September 2014
42. **Bazı Sucul Organizmalarda Ağır Element Birikimlerinin Araştırılması**
AYDOĞAN Z., GÜROL A., İNCEKARA Ü.
22. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2014, pp.926
43. **The Curious Bonding in Cuprite**
GÜROL A., YILMAZ D.
Sagamore Conference XVI, 20 - 23 August 2012
44. **Measurement of K and L X-ray Intensity Ratios for Nd and Ho Elements in an External Magnetic Field.**
ŞAHİN Y., GÜROL A., DEMİR D., ÖNDER EROL P., DOĞAN S., GÜRBULAK B.
Azerbaijan Journal of Physics Fizika, Vol. XVI, Number 2, June 2010., 25 - 28 June 2010
45. **Determination of inorganic element differences between male and female of a water beetle species Laccophilus Hyalinus Dytiscidae Coleoptera by WDXRF Analyses**
ERMAN Ö. K., GÜROL A., DÜMLÜPİNAR R.
13th European Congress of Entomology, 13 - 15 August 2006
46. **L subshell fluorescence cross-sections and relative intensity ratios of some elements in the atomic range $72 \leq Z \leq 92$**
GÜROL A., KARABULUT A.
5th European Furnace Symposium, Blagoevgrad, Bulgaria, 01 September 2002, vol.58, pp.1473-1480
47. **ÇILDIR BÖLGESİNDEN ALINAN JEOLojİK ÖRNEĞİN EDXRF İLE NİTEL VE NİCEL ANALİZİ**
GÜROL A., POLAT R., KARABULUT A., BUDAK G.
Türk Fizik Derneği 18. Fizik Kongresi, Turkey, 25 - 28 October 1999

48. **EDXRF TEKNİĞİ KULLANILARAK AŞKALE ÇİMENTO FABRİKASININ UÇAN KÜL ANALİZLERİ**
POLAT R., GÜROL A., BUDAK G., KARABULUT A.
TÜRK FİZİK DERNEĞİ 18. FİZİK KONGRESİ, Adana, Turkey, 25 - 28 October 1999

Other Publications

- Physics Laboratory I**
Gürol A., Yılmaz D., Kavaz E., Fidan M., Cinan E., Güney Y., Kalecik S., Tok E.
Experiment, pp.1-56, 2023
- Mekanik Laboratuvarı Deneyleri/Astronomi ve Uzay Bilimleri Bölümü için**
Gürol A.
Experiment, pp.1-70, 2022
- Electric ve Magnetism Laboratory Experiments**
Gürol A., Cinan E., Güney Y., Daş E.
Experiment, pp.1-52, 2019

Academic and Administrative Experience

2023 - Continues	Rectorate Commissioner	Ataturk University, Fen Fakültesi, Fizik
2022 - Continues	Faculty Management Board Member	Ataturk University, Fen Fakültesi, Fizik
2022 - Continues	Faculty Board Member	Ataturk University, Fen Fakültesi, Fizik
2022 - Continues	Erasmus Program Institutional Coordinator	Ataturk University, Fen Fakültesi, Fizik
2021 - Continues	Head of Department	Ataturk University, Fen Fakültesi, Fizik
2021 - Continues	Chairperson of Unit Strategic Planning Commission	Ataturk University, Fen Fakültesi, Fizik
2021 - Continues	Chairperson of Unit Strategic Planning Commission	Ataturk University, Fen Fakültesi, Fizik
2018 - Continues	Erasmus Program Department Coordinator	Ataturk University, Fen Fakültesi, Fizik
2021 - 2024	Vice Dean	Ataturk University, Fen Fakültesi, Fizik
2018 - 2022	Erasmus Program Institutional Coordinator	Ataturk University, Fen Fakültesi, Fizik
2017 - 2022	Erasmus Program Department Coordinator	Ataturk University, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı

2019 - 2021	Head of Department	Ataturk University, Fen Fakültesi, Fizik
2018 - 2021	Head of Department	Ataturk University, Fen Fakültesi, Fizik
2017 - 2021	Deputy Head of Department	Ataturk University, Fen Fakültesi, Fizik
2015 - 2018	Head of Department	Ataturk University, Fen Fakültesi, Fizik
2008 - 2012	Farabi Program Institutional Coordinator	Ataturk University, Fen Fakültesi, Fizik

Courses

Fundamentals and modern optics, Postgraduate, 2024 - 2025, 2023 - 2024
Fizik Laboratuvarı II, Undergraduate, 2023 - 2024, 2020 - 2021
Physics Lab I, Undergraduate, 2024 - 2025
Computer programming: Matlab II, Undergraduate, 2023 - 2024, 2022 - 2023
Optics waves and Laboratory , Undergraduate, 2023 - 2024, 2022 - 2023
Optics, Undergraduate, 2022 - 2023
Advanced Quantum Physics II, Doctorate, 2022 - 2023
Advance Optics and Waves, Postgraduate, 2023 - 2024
Physics Laboratory I, Undergraduate, 2023 - 2024
Software: Matlab I, Undergraduate, 2023 - 2024, 2022 - 2023
Vibration and Waves, Undergraduate, 2023 - 2024, 2022 - 2023
Applications of Atomic and Molecular Physics at Astrophysics, Postgraduate, 2021 - 2022, 2019 - 2020
Optics and Their Applications, Undergraduate, 2021 - 2022
Physics Lab-I, Undergraduate, 2022 - 2023
Vibrations and Waves, Undergraduate, 2021 - 2022, 2019 - 2020
Fundamentals of Astronomical Spectroscopy, Doctorate, 2021 - 2022, 2020 - 2021
Termodinamik ve İstatistik Fizik, Undergraduate, 2020 - 2021
Compture Programming:Matlab, Undergraduate, 2021 - 2022
X-Rays and its Applications, Undergraduate, 2020 - 2021
Vibration and Waves, Undergraduate, 2021 - 2022
Vibration and Waves Laboratory, Undergraduate, 2021 - 2022
Physics Labrotary-I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Optics, Waves and Laboratory , Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Mechanics-II, Undergraduate, 2020 - 2021
Physics II, Undergraduate, 2019 - 2020
Spectroscopy, Undergraduate, 2019 - 2020
Physics II, Undergraduate, 2019 - 2020
Physics Laboratory, Undergraduate, 2019 - 2020
Physics I, Undergraduate, 2019 - 2020, 2018 - 2019
Advanced Quantum Physics I, Postgraduate, 2019 - 2020
Physics I, Undergraduate, 2019 - 2020
Optik, Undergraduate, 2016 - 2017
Fizik I, Undergraduate, 2016 - 2017

Advising Theses

Gürol A., Alüminyumun (Al) yansıtma veriminin artırılması, Postgraduate, B.BALBAY(Student), 2023
Gürol A., Al₂ tipi bazı bileşiklerin elektron momentum dağılımlarının belirlenmesi, Doctorate, A.DARKHOSH(Student), 2020
Gürol A., Bazı gazların compton profillerine basınç etkisi, Doctorate, E.ŞAKAR(Student), 2017
GÜROL A., Alüminyum ve Berilyum'un compton profile ölçümleri, Postgraduate, M.ZOZİK(Student), 2015
GÜROL A., Demir, kobalt ve nikelin atomik parametrelerine mıknatıslanmanın etkisi, Postgraduate, S.DİLEKÇİ(Student), 2013
GÜROL A., Seçilmiş yıldız kümelerinde değişen yıldızlar, Postgraduate, E.ŞAKAR(Student), 2012
YEŞİLYAPRAK C., GÜROL A., Bazı yıldızların atom ve molekül tayflarının incelenmesi, Postgraduate, B.AKÇA(Student), 2010

Memberships / Tasks in Scientific Organizations

Turkish Physical Society, Member, 2000 - Continues, Turkey

Scientific Refereeing

Project Supported by Higher Education Institutions, University Supported Other Projects, Ege University, Turkey, January 2024
SPECTROSCOPY LETTERS, Journal Indexed in SCI-E, February 2023
Sigma Journal of Engineering and Natural Science, Other Indexed Journal, December 2021
Project Supported by Higher Education Institutions, BAP Research Project, Kocaeli University, Turkey, December 2021
Project Supported by Higher Education Institutions, BAP Research Project, Alanya Alaaddin Keykubat University, Turkey, October 2021
Project Supported by Higher Education Institutions, BAP Research Project, Adana Alparslan Türkeş Science And Technology University, Turkey, November 2020
Project Supported by Higher Education Institutions, BAP Research Project, Adana Alparslan Türkeş Science And Technology University, Turkey, June 2020
Project Supported by Higher Education Institutions, BAP Research Project, Adana Alparslan Türkeş Science And Technology University, Turkey, November 2019
Project Supported by Higher Education Institutions, BAP Research Project, Eskisehir Osmangazi University, Turkey, April 2019
Project Supported by Higher Education Institutions, BAP Research Project, Eskisehir Osmangazi University, Turkey, April 2019
Project Supported by Higher Education Institutions, BAP Research Project, Recep Tayyip Erdogan University, Turkey, February 2019
Project Supported by Higher Education Institutions, BAP Other, Karadeniz Technical University, Turkey, June 2018

Tasks In Event Organizations

Bayrakçeken Yurtcan A., TUYSUZ E., TORAMAN E., AKBULUT S., GÜROL A., ÖZAKIN O., ÖZDÖNMEZ A., ER H., 1st International Congress on Natural Sciences, Scientific Congress, Erzurum, Turkey, Eylül 2021
Şişman T., Bayrakçeken Yurtcan A., Tuysuz E., Akbulut S., Gürol A., Özdönmez A., ER H., 1st International Symposium on Recent Advances in Fundamental and Applied Sciences , Scientific Congress, Erzurum, Turkey, Eylül 2021
Gürol A., International Online Conferences on Engineering and Natural Sciences, Scientific Congress, Gümüşhane, Turkey, Temmuz 2021
Gürol A., Yalçın Ş., Büyükgüngör O., Akbulut Özen S., Özen M., Bilimsel Araştırmalarda Xışını Analiz Teknikleri-19, Workshop Organization, Şanlıurfa, Turkey, Eylül 2019

Gürol A., Prof. Dr. Yusuf ŞAHİN Hatıra Toplantısı, Scientific Congress, Turkey, Aralık 2018

Metrics

Publication: 113

Citation (WoS): 354

Citation (Scopus): 396

H-Index (WoS): 10

H-Index (Scopus): 11

Congress and Symposium Activities

SAGAMORE CONFERENCE- XIV, Attendee, Sapporo, Japan, 2012

Research Areas

Physics, Atomic and Molecular Physics, Atomic Spectra and Photon Interactions, Interdisciplinary Physics and Related Science and Technology Areas, Biophysics and Medical Physics, Electronics, radio and microwave technologies, Nuclear physics, Radioactive decay and in-beam spectroscopy, Natural Sciences

Representation and Promotion Activities

Institutional Promotion, Cumhurbaşkanlığı İnsan Kaynakları Ofisinin (CBİKO) , Turkey, Erzurum, 2022 - 2022

Non Academic Experience

Milli Eğitim