

Asst. Prof. Aytaç LEVET

Personal Information

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International Researcher IDs

ScholarID: 2kdYtRYAAAAJ

ORCID: 0000-0002-1086-5732

ScopusID: 57144468600

Yoksis Researcher ID: 47270

Education Information

Doctorate, Ataturk University, Fen Fakültesi, Turkey 2007 - 2011

Postgraduate, Ataturk University, Fen Fakültesi, Atom Ve Molekül Fiziği, Turkey 2004 - 2007

Dissertations

Doctorate, Bazı bileşiklerde foton çoğalma faktörünün saçılma açısı ve numune kalınlığı ile değişiminin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Atom Ve Molekül Fiziği, 2011

Postgraduate, WDXRF spektroskopisi tekniğiyle normal, preeklemsi ve ölü doğumlardan alınan plasenta numunelerinin elemental analizleri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik / Atom Ve Molekül Fiziği, 2007

Research Areas

Physics, Atomic and Molecular Physics, Nuclear physics, Natural Sciences

Academic and Administrative Experience

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Elektrik Ve Enerji, 2021 - Continues

Farabi Program Institutional Coordinator, Ataturk University, İspir Hamza Polat Meslek Yüksekokulu, Elektrik Ve Enerji, 2017 - Continues

Courses

Alternating Current Circuits, Associate Degree, 2023 - 2024, 2022 - 2023

Solar Energy Systems, Associate Degree, 2023 - 2024, 2022 - 2023

Alternating Current Circuits, Associate Degree, 2023 - 2024, 2022 - 2023

Measurement Technique, Associate Degree, 2023 - 2024

Basic physics, Associate Degree, 2023 - 2024

Electronic Measurement and Instrumentation, Associate Degree, 2022 - 2023

Information and Communication Technologies, Associate Degree, 2023 - 2024
Installation Introduction, Associate Degree, 2023 - 2024
Electromechanical Control Systems, Associate Degree, 2023 - 2024
Measurement Technique, Associate Degree, 2023 - 2024
Information and Communication Technologies, Associate Degree, 2023 - 2024
Electromechanical Control Systems, Associate Degree, 2023 - 2024
Installation Introduction, Associate Degree, 2023 - 2024
Information and Communication Technologies, Associate Degree, 2023 - 2024
Computer Aided Project I, Associate Degree, 2023 - 2024
Information and Communication Technologies, Associate Degree, 2023 - 2024
Computer Aided Project I, Associate Degree, 2023 - 2024
Solar Energy Systems, Associate Degree, 2022 - 2023
Computer Aided Project 2, Associate Degree, 2022 - 2023
Radiotherapy Devices, Associate Degree, 2022 - 2023
Computer Aided Project 2, Associate Degree, 2022 - 2023
Electronic Measurement and Instrumentation, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020
Contract Discovery and Planning, Associate Degree, 2022 - 2023
Information and communication technology, Associate Degree, 2022 - 2023
Solar Energy Systems, Associate Degree, 2021 - 2022, 2020 - 2021
Information and Communication Technologies, Associate Degree, 2022 - 2023
Güneş Enerjisi Sistemleri, Associate Degree, 2021 - 2022
Alternating Current Circuits, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020
Computer Aided Project I, Associate Degree, 2022 - 2023
Alternating Current Circuits, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020
Electrical Installation Plans, Associate Degree, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Alternatif Akım Devreleri, Associate Degree, 2021 - 2022
Bilgisayar Destekli Proje II, Associate Degree, 2021 - 2022
Electronic Measurement and Instrumentation, Associate Degree, 2021 - 2022
Computer Aided Project II, Associate Degree, 2021 - 2022, 2020 - 2021
Radiotherapy Devices, Associate Degree, 2021 - 2022, 2020 - 2021
Hospital Automation Systems, Associate Degree, 2021 - 2022, 2020 - 2021
Measurement Technique, Associate Degree, 2021 - 2022, 2020 - 2021
Elektrik Tesisat Planları, Associate Degree, 2021 - 2022
Bilgi ve İletişim Teknolojileri, Associate Degree, 2021 - 2022
Tesisata Giriş, Associate Degree, 2021 - 2022
Natural gas, Associate Degree, 2021 - 2022, 2020 - 2021
Computer Aided Project I, Associate Degree, 2021 - 2022, 2020 - 2021
Bilgi ve İletişim Teknolojisi, Associate Degree, 2021 - 2022, 2018 - 2019
Elektrik Tesisat Planları, Associate Degree, 2021 - 2022
Office Programs II, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019
Solar Energy Systems, Associate Degree, 2020 - 2021
Bilgi ve İletişim Teknolojileri, Associate Degree, 2021 - 2022
Information and Communication Technologies, Associate Degree, 2021 - 2022, 2020 - 2021
Basic Information Technologies II, Associate Degree, 2020 - 2021, 2019 - 2020
Measuring Technique, Associate Degree, 2021 - 2022, 2020 - 2021
Güneş Enerjisi, Associate Degree, 2021 - 2022
Bilgisayar Destekli Tasarım (CAD), Associate Degree, 2021 - 2022
Measurement Technique, Associate Degree, 2020 - 2021
Measurement Technique, Associate Degree, 2020 - 2021
Fundamentals of Energy Production, Associate Degree, 2019 - 2020
Graduation project, Associate Degree, 2019 - 2020, 2018 - 2019

Direct Current Circuits, Associate Degree, 2020 - 2021
Direct Current Circuits, Associate Degree, 2020 - 2021, 2018 - 2019
Natural gas, Associate Degree, 2020 - 2021
Basic Information Technologies II, Associate Degree, 2019 - 2020, 2018 - 2019
Computer Office Programs, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019
Information and Communication Technologies, Associate Degree, 2020 - 2021, 2019 - 2020
Office Programs I, Associate Degree, 2020 - 2021, 2019 - 2020, 2018 - 2019
Basic Information Technologies I, Associate Degree, 2020 - 2021, 2019 - 2020
İletişim, Associate Degree, 2018 - 2019
Basic Information Technologies II, Associate Degree, 2018 - 2019
Basic Information Technologies I, Associate Degree, 2019 - 2020, 2018 - 2019
Basic Information Technologies I, Associate Degree, 2019 - 2020
Communication, Associate Degree, 2018 - 2019
Communication, Associate Degree, 2018 - 2019
Alternating Current Circuits, Associate Degree, 2018 - 2019
Temel Bilgi Teknolojileri I, Associate Degree, 2018 - 2019
Technology Use, Associate Degree, 2018 - 2019
Bilgi ve İletişim Teknolojileri, Associate Degree, 2018 - 2019
Alternating Current Circuits, Associate Degree, 2018 - 2019
Information and Communication Technologies, Associate Degree, 2018 - 2019
Natural gas, Associate Degree, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Gamma-ray attenuation properties of some heavy metal ferroalloys for potential applications**
Büyükyıldız M., Thakur S., LEVET A., Kaur P.
Progress in Nuclear Energy, vol.176, 2024 (SCI-Expanded)
- II. **Radiation attenuation characterization of some biological samples by using the Klein–Nishina formula**
LEVET A., Büyükyıldız M.
European Physical Journal Plus, vol.139, no.4, 2024 (SCI-Expanded)
- III. **Investigation of radiation shielding parameters of boron compounds**
LEVET A.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.179, no.3-4, pp.458-473, 2024 (SCI-Expanded)
- IV. **Effect of stone color, dosage and alkali type on Ahlat Stone (volcanic origin) based geopolymer concretes**
Toprak S. M. U., POLAT R., LEVET A., Toprak S. N.
JOURNAL OF BUILDING ENGINEERING, vol.67, 2023 (SCI-Expanded)
- V. **An experimental study on the investigation of nuclear radiation shielding characteristics in iron-boron alloys**
Levet A., Kavaz E., Özdemir Y.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.819, 2020 (SCI-Expanded)
- VI. **Determination of effective atomic numbers, effective electrons numbers, total atomic cross-sections and buildup factor of some compounds for different radiation sources**
Levet A., Özdemir Y.
RADIATION PHYSICS AND CHEMISTRY, vol.130, pp.171-176, 2017 (SCI-Expanded)
- VII. **A study of chemical composition and radiation attenuation properties in clinoptilolite-rich natural zeolite from Turkey**
KURUDİREK M., Ozdemir Y., TÜRKMEN İ., LEVET A.
RADIATION PHYSICS AND CHEMISTRY, vol.79, no.11, pp.1120-1126, 2010 (SCI-Expanded)

- VIII. **Assessment of trace element concentration distribution in human placenta by wavelength dispersive X-ray fluorescence: Effect of neonate weight and maternal age**
ÖZDEMİR Y., BÖREKÇİ B., LEVET A., KURUDİREK M.
APPLIED RADIATION AND ISOTOPES, vol.67, no.10, pp.1790-1795, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **A Study of Photon Interaction Parameters for Some Stainless Steel Alloys**
Levet A.
İğdir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.13, no.3, pp.1676-1685, 2023 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Neutron Measurements for Ferro Boron Alloys and Experimental Determination of Radiation Properties**
Levet A., Cinan E., Kavaz E., Özdemir Y.
4th International Turkish Congress on Molecular Spectroscopy (TURCMOS2019), Aydın, Turkey, 5 - 09 August 2019, pp.43
- II. **An Investigation on Gamma Shielding Features of Commonly Used Cobalt Based Superalloys**
IŞIK KARADOĞAN Z., KAVAZ E., ÖZDEMİR Y., LEVET A.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE PHYSICS, 19 - 22 June 2019
- III. **Comparison of Radiation Parameters of Stainless Steels 316L, 310, 304, 430 for Different Energies**
Levet A., Cinan E., Kavaz E., Özdemir Y.
4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE PHYSICS, Ağrı, Turkey, 19 - 22 June 2019
- IV. **RADIATION ATTENUATION PROPERTIES OF GRAPHENE OXIDE(GO) MODIFIED POLY (METHYLENE BLUE) NANOCOMPOSITE THIN FILMS**
EKİNCİ N., KAVAZ E., DAĞCI KIRANŞAN K., ALANYALIOĞLU M., LEVET A., ÖZDEMİR Y.
2nd International Congress on Semiconductor materials and Devices, 28 - 30 August 2018
- V. **Measurements L X-ray Production Cross-Sections and Intensity Ratios for Tm₂O₃ Compound Depending on the Temperature**
CİNAN E., LEVET A., EKİNCİ N., ŞAKAR E., KURUCU Y., ÖZDEMİR Y.
3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), Nevşehir, Turkey, 17 - 19 September 2018, pp.353-359
- VI. **EFFECT OF THE TEMPERATURE VARIATION ON L X-RAY INTENSITY RATIOS AND L X-RAY PRODUCTION CROSS-SECTIONS OF PR₆₀11 COMPOUND**
Cinan E., Levet A., Ekinci N., Şakar E., Kurucu Y., Özdemir Y.
3rd International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), Nevşehir, Turkey, 17 - 19 September 2018, pp.657-661
- VII. **The importance of erbium and boron compounds for radiation shielding in nuclear power plants**
Levet A., Köç Bakacak P., Cinan E., Kavaz E., Kurucu Y., Ekinci N., Özdemir Y.
TFD34, Muğla, Turkey, 5 - 09 September 2018, pp.408
- VIII. **Determination of gamma ray shielding parameters for some lead compounds**
Levet A., Cinan E., Kavaz E., Köç Bakacak P., Kurucu Y., Ekinci N., Özdemir Y.
TFD34, Muğla, Turkey, 5 - 09 September 2018
- IX. **The buildup factor change depending on collimator diameter for some chemical samples**
Levet A., Cinan E., Ekinci N., Özdemir Y.
International Congress of Science, Education and Technology Research, Odessa, Ukraine, 10 - 12 August 2018, pp.132

- X. **Investigation of some radiation shielding parameters for different boron fractions in iron boron alloys**
Levet A., Ekinci N., Cinan E., Özdemir Y.
International Congress of Science, Education and Technology Research, Odessa, Ukraine, 10 - 12 August 2018, pp.131
- XI. **MEASUREMENT OF $L\beta$ / $L\alpha$ INTENSITY RATIO OF Ce₂O₃ COMPOUND AT DIFFERENT TEMPERATURES**
Cinan E., Levet A., Ekinci N., Kavaz E., Özdemir Y.
4th International Conference on Pure and Applied Sciences: Renewable Energy, İstanbul, Turkey, 23 - 25 November 2017, pp.113
- XII. **MEASUREMENT OF $L\beta$ / $L\alpha$ INTENSITY RATIO OF Ho₂O₃ COMPOUND AT DIFFERENT TEMPERATURES**
CİNAN E., LEVET A., EKİNCİ N., KAVAZ E., ÖZDEMİR Y.
4TH INTERNATIONAL CONFERENCE ON PURE AND APPLIED SCIENCE :RENEWABLE ENERGY, İstanbul, Turkey, 23 - 25 November 2017, pp.113
- XIII. **Comparisons of Placenta Samples Taken from Normal Birth and Preeclampsia Birth Using Wavelength Dispersive X-Ray Fluorescence Spectroscopy Technique**
Levet A., Cinan E., Büyükyıldız M., Özdemir Y.
8TH INTERNATIONAL ADVANCED TECHNOLOGIES SYMPOSIUM, Elazığ, Turkey, 19 - 22 October 2017, pp.199
- XIV. **Measurement of $L\beta$ / $L\alpha$ Intensity Ratio of Sm₂(SO₄)₃ Compound at Different Temperatures**
Cinan E., Levet A., Ekinci N., Kavaz E., Özdemir Y.
8th International Advanced Technologies Symposium (IATS) 2017, Elazığ, Turkey, 19 - 22 October 2017, pp.225
- XV. **Effective atomic number and electron density of some drugs for charged particle interactions in the continuous energy region**
Büyükyıldız M., Levet A.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.691
- XVI. **PHOTON INTERACTION PARAMETERS OF BORON CARBIDE(B₄C), BoRoN oXIDE (B₂O₃) AND BoRoN NITRIDE (BN) IN THE ENERGY REGION 1 keV _ 100 GeV**
Levet A., Büyükyıldız M., Cinan E., Kavaz E., Özdemir Y.
Turkish Physical Society 33rd International Physics Congress (TFD33), Muğla, Turkey, 6 - 10 September 2017, pp.257
- XVII. **ELEMENTAL ANALYSIS OF HUMAN PLACENTA AND RELATIONSHIP BETWEEN NEWBORN WEIGHT AND TRACE ELEMENTS**
Levet A., Cinan E., Büyükyıldız M., Özdemir Y.
Turkish Physical Society 33rd International Physics Congress (TFD33), Muğla, Turkey, 6 - 10 September 2017, pp.431
- XVIII. **Effective atomic and electronic numbers of Ferro boron alloys in the energy region 1 keV 100 GeV**
Levet A., Özdemir Y.
TFD 32 nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- XIX. **Determination of effective atomic numbers effective electrons numbers and mass attenuation coefficients for some stainless steels in the energy region 10 keV 100 GeV**
Levet A.
IMSTEC'16, International Conference on Material Science and Technology in Cappadocia, Nevşehir, Turkey, 6 - 08 April 2016, pp.997
- XX. **Study of photon interaction parameters of some compounds for different radiation sources**
Levet A., Özdemir Y.
IPCAP 2016, Erzurum, Turkey, 25 February 2016

Supported Projects

Levet A., Project Supported by Higher Education Institutions, Bookshelf for the Little ones, 2021 - 2021

Levet A., Project Supported by Higher Education Institutions, WARM WINTER FOR KIDS, 2021 - 2021

Çoban Ö., Kundakçı M., Korkmaz O. E., Levet A., Çakıcı T., Sarıtaş S., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Ara Değil Aranılan Elaman, 2020 - 2021

LEVET A., ASLAN Ö. F., AKDOĞAN K., YILDIRIM M., YAĞCI M., GÜLDAĞ M., ERDEN B., Project Supported by Higher Education Institutions, İspir İlçesinde Yaşayanların Kredi Kartı Kullanımında Etkili Olan SosyoEkonomik Faktörler, 2019 - 2020

LEVET A., KATINÇ M., ASLAN Ö. F., ÖZDEMİR R., GÜMÜŞ N., ERDEN B., ÇELİK S., Project Supported by Higher Education Institutions, İspirde Eğitim Gören Ortaöğretim ve Ön lisans Programlarındaki Öğrencilerin Yaşamış Olduğu SosyoEkonomik Faktörler, 2019 - 2020

LEVET A., ASLAN Ö. F., YAVUZ G., AKBULUT M., ERDEN B., GÖÇEDEN Y., BIYIKLI N., Project Supported by Higher Education Institutions, Okulumu Güzelleştir, 2019 - 2020

LEVET A., KARAAĞAÇ T., ASLAN Ö. F., GÜLEN S. N., YILMAZ A., DOĞAR Ö., ERDEN B., Project Supported by Higher Education Institutions, İspir Esnafının Finansal Okuryazarlık Düzeyinin Tespit Edilmesi, 2019 - 2020

LEVET A., ERDEN B., ASLAN Ö. F., GÜL E., DELİOĞLU M., YENER F., ALMAS B., Project Supported by Higher Education Institutions, Dilek Kutusu, 2019 - 2020

Erden B., Levet A., Project Supported by Higher Education Institutions, Okulum Güzelleştir, 2019 - 2020

LEVET A., EKİNCİ N., ÖZDEMİR Y., CİNAN E., KAVAZ E., GÜL M., Project Supported by Higher Education Institutions, Demir Bor Alaşımalarında Bor Elementinin Radyasyon Zırlamasına Etkilerinin Araştırılması ve Foton Etkileşim parametrelerinin Belirlenmesi, 2017 - 2020

LEVET A., KOÇAK Ö. F., Project Supported by Higher Education Institutions, HORASAN MESLEK YÜKSEKOKULU MESLEKİ LABORATUVARLARININ SAYISININ ARTIRILMASI VE UYGULAMALI ÖĞRETİMİN FAYDALARININ ARAŞTIRILMASI, 2013 - 2014

LEVET A., KOÇAK Ö. F., Project Supported by Higher Education Institutions, HORASAN MESLEK YÜKSEKOKULU ÖZEL GÜVENLİK LABORATUARI KURULMASI VE ÖĞRENCİLER ÜZERİNDEKİ OLUMLU ETKİLERİNİN ARAŞTIRILMASI, 2013 - 2014

LEVET A., Project Supported by Higher Education Institutions, ÖNLİSANS EĞİTİMİNDE BİLGİSAYAR DESTEKLİ ETKİNLİKLERİN ÖĞRENCİ KAZANIMLARI ÜZERİNE ETKİSİNİN ARAŞTIRILMASI VE GÖZLEMLENMESİ, 2012 - 2013

LEVET A., Project Supported by Higher Education Institutions, SİVİL SAVUNMA VE İTFAİYECİLİK BÖLÜM LABORATUVARI'NIN KURULARAK ÖĞRENCİLER ÜZERİNDEKİ OLUMLU ETKİLERİNİN ARAŞTIRILMASI, 2012 - 2013

LEVET A., Project Supported by Higher Education Institutions, HORASAN MESLEK YÜKSEKOKULU MÜLKİYET KORUMA VE GÜVENLİK BÖLÜMÜ SPOR SALONUNUN KURULMASI VE SPOR UYGULAMALARININ ÖĞRENCİ EĞİTİMİ VE MOTİVASYONU ÜZERİNDEKİ ETKİLERİNİN ARAŞTIRILMASI, 2012 - 2013

Tasks In Event Organizations

Levet A., Mission and Vision Differentiation of Vocational Schools, Workshop Organization, Erzurum, Turkey, Aralık 2021

Kalecik S., Sarıtaş S., Kılıç D., Ünver Y., Nişancı B., Toraman E., Ömeroğlu M. A., Orak T., Taş S., Levet A., et al., 1st International Symposium On Recent Advances In Fundamental And Applied Sciences (Isfas-2021), Scientific Congress, Erzurum, Turkey, Eylül 2021

Kaya Y., Onganer Y., Taş S., Öznülüer Özer T., Saraç Y., Mavi A., Levet A., İncekara Ü., Şener Kılıç S. Ş., Nasıroğlu İ., In the 1st INTERNATIONAL CONGRESS ON NATURAL SCIENCES (ICNAS-2021), Scientific Congress, Erzurum, Turkey, Eylül 2021

Çakıcı T., Levet A., Çorapsız M. F., International Symposium on Applied Science and Engineering (ISASE-2021), Scientific Congress, Erzurum, Turkey, Nisan 2021

Metrics

Publication: 29
Citation (WoS): 127
Citation (Scopus): 142
H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

8th International Advanced Technologies Symposium, Attendee, Elazığ, Turkey, 2017

TFD 33. International Physics Congress, Attendee, Muğla, Turkey, 2017