



Prof. NİLGÜN DEMİR

Personal Information

Office Phone: [+90 224 294 1702](tel:+902242941702)

Email: dnilgun@uludag.edu.tr

Other Email: nlgndemir@gmail.com

Web: <https://avesis.uludag.edu.tr/dnilgun>

International Researcher IDs

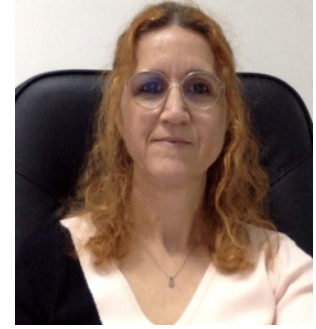
ScholarID: TDuqoVsAAAAJ

ORCID: 0000-0003-2245-8461

Publons / Web Of Science ResearcherID: AAH-3156-2021

ScopusID: 7006874016

Yoksis Researcher ID: 157819



Education Information

2000 - 2003	Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), Turkey
1992 - 1994	Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Y) (Tezli), Turkey
1988 - 1992	Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Fizik Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

2002	Yüksek enerji gaz dedektörlerinde sinyal oluşumu benzetişimi, Doctorate
1994	Yüksek enerji hadron ve elektron gamma sağanağı benzetişimi, Postgraduate

Research Areas

Physics, Experimental Methods of Particle and Nuclear Physics, Natural Sciences

Academic Titles / Tasks

2022 - Continues	Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2016 - 2022	Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2010 - 2016	Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2006 - 2010	Lecturer, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
1993 - 2006	Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK

Academic and Administrative Experience

2022 - Continues	Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2022 - Continues	Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2020 - 2022	Fakülte Yönetim Kurulu Üyesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2016 - 2019	Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2010 - 2011	Deputy Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK
2009 - 2011	Eğitim ve Müfredat Kurulu üyesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK

Courses

2023 - 2024, 2022 - 2023	Fiziksel Matematik II, Undergraduate
2023 - 2024, 2022 - 2023	Doktora Uzmanlık Alan dersi II, Doctorate
2023 - 2024, 2021 - 2022	Deenysel Yüksek Enerji Fiziği, Undergraduate
2022 - 2023	Temel Parçacıklar Fiziği II, Doctorate
2023 - 2024	YÜKSEK ENERJİ GAZ DETEKTÖRLERİN FİZİĞİ II, Doctorate
2022 - 2023	YÜKSEK ENERJİ FİZİĞİNDE BENZETİŞİM TEKNİKLERİ II, Doctorate
2023 - 2024	Temel Parçacık Fiziğine Giriş, Undergraduate
2023 - 2024	GENEL FİZİĞE GİRİŞ LABORATUARI, Undergraduate
2023 - 2024, 2022 - 2023	YÜKSEK LİSANS UZMANLIK ALAN DERSİ I, Postgraduate
2022 - 2023	Deneysel Yüksek Enerji Fiziği, Undergraduate
2023 - 2024, 2022 - 2023	Fiziksel Matematik I, Undergraduate
2023 - 2024	YÜKSEK ENERJİ DETEKTÖRLERİ II, Doctorate
2021 - 2022	Yüksek Enerji Gaz Detektörleri Fiziği I, Postgraduate
2022 - 2023	Temel Saçılma Teorisi, Postgraduate
2022 - 2023	Hadron Fiziği ve Kuark Modeli, Doctorate
2021 - 2022	Fiziğe Giriş II, Undergraduate
2021 - 2022	Temel Fizik II, Undergraduate

Advising Theses

Continues	Demir N., Doctorate, Ş.Burçak(Student), Optical imaging of radiation with glass RPC detector
Continues	Demir N., Postgraduate, S.TAŞKIN(Student), RPC DEDEKTÖRDE SİNYAL GELİŞİMİNİN İNCELENMESİ
2024	Demir N., Postgraduate, B.ELBİR(Student), The Investigation of Electrode Materials at RPC Detectors
2022	Demir N., Postgraduate, F.TOKAÇ(Student), MRPC DETEKTÖRÜ ORTAMINDA KOZMİK MÜON ETKİLEŞİMLERİNİN MONTE CARLO BENZETİMİ
2017	Demir N., Postgraduate, Ö.ÖZÜNLÜ(Student), Investigating of gas detectors used in high energy physics
2015	Demir N., Postgraduate, A.AYDİN(Student), The simulation of rpc efficiency for photon detection
2015	Demir N., Akkurt İ., Doctorate, Z.NUR(Student), Tarla bremsstrahlung foton tesisi için kolimatör parametrelerinin belirlenmesi

Jury Memberships

August 2024	Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi
August 2024	Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, İstanbul Teknik Üniversitesi
January 2024	Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi
January 2024	Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Süleyman Demirel Üniversitesi
April 2023	Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi
January 2023	Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Uludağ Üniversitesi
January 2023	Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Uludağ Üniversitesi
January 2023	Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Bursa Uludağ Üniversitesi
October 2022	Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi
October 2022	Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Bursa Uludağ Üniversitesi
October 2022	Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Bursa Uludağ Üniversitesi

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis and Characterization of La₂O₃-BaO-Na₂O-SiO₂-Bi₂O₃ Glass as a Potent Shield Against Ionizing Radiation**
Kuluozturk Z. N., Kurtulus R., DEMİR N., Kavas T.
Arabian Journal for Science and Engineering, vol.49, no.7, pp.9923-9936, 2024 (SCI-Expanded)
- II. **Newly-formulated zinc-bismuth-barium-sodium-silicate glass system with lead oxide addition: Probing radiation shielding characteristics via triple methodology**
Kavas T., Kuluozturk Z. N., Kurtulus R., Demir N.
OPTİK, vol.290, no.171274, pp.1-14, 2023 (SCI-Expanded)
- III. **Barium-lead-borosilicate glass containing lanthanum oxide: fabrication, physical properties, and photon shielding characteristics**
Kuluozturk Z. N., Kurtulus R., DEMİR N., Kavas T.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.2, 2022 (SCI-Expanded)
- IV. **Calculation of Gamma Shielding Properties for Glass Ceramics using FLUKA**
Kuluöztürk Zehra Nur Z., Demir N., Dal M.
Glass Physics and Chemistry, vol.47, no.6, pp.571-580, 2021 (SCI-Expanded)
- V. **Determination of energy resolution for a NaI(Tl) detector modeled with FLUKA code**
Demir N., Kuluöztürk Z. N.
Nuclear Engineering and Technology, vol.53, pp.3759-3763, 2021 (SCI-Expanded)
- VI. **FLUKA Monte Carlo calculations for angular distribution of bremsstrahlung photons from thin targets**
Demir N., Kuluöztürk Z. N., Akkurt İ.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.443, pp.19-24, 2019 (SCI-Expanded)
- VII. **Calculations of Temperature Rise in Al, Cu and Fe Photon Collimators for 8-32 MeV Photon Beams**
Kuluozturk Z. N., DEMİR N., AKKURT İ.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.1168-1170, 2017 (SCI-Expanded)
- VIII. **Monte Carlo Simulation Studies of Collimator Parameters for TARLA Bremsstrahlung Facility**

- Kuluozturk Z. N., Demir N., Akkurt İ.
ACTA PHYSICA POLONICA A, vol.132, no.3, pp.796-800, 2017 (SCI-Expanded)
- IX. **Application of FLUKA code to gamma-ray attenuation, energy deposition and dose calculations**
DEMİR N., Tarim Ü., Gurler O.
INTERNATIONAL JOURNAL OF RADIATION RESEARCH, no.1, pp.123-128, 2017 (SCI-Expanded)
- X. **Monte Carlo Simulations of Resistive Plate Chamber for 0.511 MeV Photon with FLUKA**
DEMİR N., Aydın A.
ACTA PHYSICA POLONICA A, vol.130, no.1, pp.466-468, 2016 (SCI-Expanded)
- XI. **Investigation of Energy Deposition and Dose Distributions on Collimator under Photon Beam**
DEMİR N., Kuluozturk Z. N., AKKURT İ.
ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)
- XII. **Angular Distribution of Bremsstrahlung Photons in Ta Target for 40 MeV Electron Beam**
DEMİR N., Kuluozturk Z. N., AKKURT İ.
ACTA PHYSICA POLONICA A, vol.128, 2015 (SCI-Expanded)
- XIII. **Activation cross sections for the (gamma,n) reactions on zirconium isotopes**
AKKURT İ., Karpuz N., MAVİ B., DEMİR N.
ANNALS OF NUCLEAR ENERGY, vol.65, pp.181-183, 2014 (SCI-Expanded)
- XIV. **Calculation of gamma-ray mass attenuation coefficients of some Egyptian soil samples using Monte Carlo methods**
Medhat M. E., DEMİR N., AKAR TARIM Ü., GÜRLER O.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.169, no.8, pp.706-714, 2014 (SCI-Expanded)
- XV. **Investigation of mass attenuation coefficients of water, concrete and bakelite at different energies using the FLUKA Monte Carlo code**
DEMİR N., AKAR TARIM Ü., Popovici M., Demirci Z. N., GÜRLER O., AKKURT İ.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.298, no.2, pp.1303-1307, 2013 (SCI-Expanded)
- XVI. **ANN modeling of the bremsstrahlung photon flux in tantalum target**
Gunoglu K., DEMİR N., AKKURT İ., Demirci Z. N.
NEURAL COMPUTING & APPLICATIONS, vol.23, no.6, pp.1591-1595, 2013 (SCI-Expanded)
- XVII. **Monte Carlo simulations of bremsstrahlung photon yields from thin targets with electron beams between 10 and 40MeV**
DEMİR N., Demirci Z. N., AKKURT İ.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.168, no.5, pp.372-377, 2013 (SCI-Expanded)
- XVIII. **The simulation results of signal fluctuation for micromegas-like gaseous detector**
Demir N.
Instruments and Experimental Techniques, vol.55, no.5, pp.542-544, 2012 (SCI-Expanded)
- XIX. **Estimation of bremsstrahlung photon fluence from aluminum by artificial neural network**
AKKURT İ., Gunoglu K., Tekin H. O., Demirci Z. N., Yegin G., DEMİR N.
IRANIAN JOURNAL OF RADIATION RESEARCH, vol.10, no.1, pp.63-65, 2012 (SCI-Expanded)
- XX. **Simulation of spatial and energy resolution in signal for gas proportional detector**
DEMİR N., Tapan İ.
INTERNATIONAL JOURNAL OF THE PHYSICAL SCIENCES, no.7, pp.390-393, 2009 (SCI-Expanded)
- XXI. **Simulation of gain fluctuation for non-uniform field argon-based gas detector**
Tapan İ., Demir N.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, no.1-2, pp.53-56, 2004 (SCI-Expanded)

Articles Published in Other Journals

1. **Çeşitli Enerjilerde Pb, Cr, Fe, Sb ve Ni Metallerinde Kozmik Müonlar Tarafından Oluşturulan Enerji Birikiminin FLUKA Simülasyonu**

Demir N., Tokaç F.

Uluslararası Bilim Teknoloji ve Tasarım Dergisi, vol.4, no.2, 2023 (Peer-Reviewed Journal)

II. **Simulation of Pulse Height Distribution and Full Energy Peak Efficiency of 2"x2" Scintillation Detectors**

Kuluöztürk Z. N., Demir N.

Avrupa Bilim ve Teknoloji Dergisi, vol.0, no.21, pp.383-388, 2021 (Peer-Reviewed Journal)

III. **Investigation of the Collimator Effect on the 3"x3" NaI(Tl) Detector System by the FLUKA code**

Kuluöztürk Z. N., Demir N.

Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, pp.30-36, 2019 (Peer-Reviewed Journal)

IV. **The Knapsack Cryptography with Bell Number using Python Programming**

DOĞAN S., DEMİR N., Tokaç F.

European Journal of Science and Technology, no.14, pp.334-336, 2018 (Peer-Reviewed Journal)

V. **Experimental Study for the Energy Levels of Europium by the Clinic LINAC**

Demir N., Kıvrak A., Üstün M., Cesur A., Boztosun İ.

International Journal of Computational and Experimental Science and Engineering, vol.3, no.1, pp.47-49, 2017 (Peer-Reviewed Journal)

VI. **Elektron Alüminyum Etkileşiminde Depolanan Enerjinin Hedef Kalınlığı ile Değişimi**

Demirci Z. N., DEMİR N., AKKURT İ.

Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.17, pp.1-3, 2013 (Peer-Reviewed Journal)

VII. **Alüminyum Hedefte Depolanan Enerjinin Elektron Enerjisi ile Değişimi**

Demirci Z. N., DEMİR N., AKKURT İ.

SDU Journal of Science, vol.7, pp.141-145, 2012 (Peer-Reviewed Journal)

VIII. **The TAC Radiation Source for Bremsstrahlung Application**

DEMİR N., AKKURT İ., AKKUŞ B., ÇAKIRLI R. B.

Balkan Physics Letters BPL, 2009 (Peer-Reviewed Journal)

IX. **Computer Simulation of Gain Fluctuations in Proportional Counters**

DEMİR N., TAPAN İ.

Romanian Journal of Physics, vol.49, pp.239-244, 2004 (Peer-Reviewed Journal)

X. **Bir Gaz Detektör İçerisindeki Yük Taşıyıcılarının Saçılmasının Detektör Performansına Etkisi**

DEMİR N., TAPAN İ.

Fırat Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.13, no.1, 2001 (Peer-Reviewed Journal)

XI. **Simulation of Signal Generation for Argon Based Gas Detectors**

DEMİR N., TAPAN İ.

Bulgarian Journal of Physics, vol.27, no.3, pp.195-198, 2000 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Evaluation of Some Ignimbrite Rocks as Gamma Radiation Shielding Material: A Fluka Simulation Study**

Kavaz E., Dal M., Kuluöztürk Z. N., Demir N.

in: Computational Methods in Nuclear Radiation Shielding and Dosimetry, Kulwinder Singh Mann, Ph.D., V. P. Singh, Editor, NOVA Science Publishers Inc., New York, pp.277-292, 2020

II. **Investigation of Gamma-Ray Shielding Parameters of Marbles**

Demir N., Kuluöztürk Z. N., Dal M., Aygün B.

in: Computational Methods in Nuclear Radiation Shielding and Dosimetry, Kulwinder Singh Mann, Ph.D., V. P. Singh, Ph.D, Editor, NOVA Science Publishers Inc., New York, pp.293-312, 2020

III. **Symmetries, The Feynman Calculus, Afterword:What is Next?**

Yılmazkaya Süngü J., Kırcı Z., Şirvanlı B. B., Demir N.

in: Introduction to Elementary Particles, Gülsen Öngüt, Editor, Nobel Yayın Dağıtım, Ankara, pp.115-158, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **MEASUREMENT OF SURFACE AND BULK RESISTIVITY OF GLASS ELECTRODE MATERIALS IN RPC DETECTORS**
Demir N., Elbir B.
7th International Azerbaijan Congress on Life, Engineering, Mathematical, and Applied Sciences, Baku, Azerbaijan, 25 - 27 June 2024, pp.423-425
- II. **INVESTIGATION OF SIGNAL DEVELOPMENT IN RPC DETECTOR**
Demir N., Taşkın S.
7TH INTERNATIONAL AZERBAIJAN CONGRESS LIFE, ENGINEERING, MATHEMATICAL, AND APPLIED SCIENCES , Baku, Azerbaijan, 25 - 27 June 2024, pp.430-431
- III. **“Experimental testing of glass RPC detectors”**
DEMİR N., DAĞLI Ş. B., Elbir B.
ICSuSaT 2023, İstanbul, Turkey, 14 July 2023
- IV. **The FLUKA Simulation of Muons Energy Deposition on Metals and Alloys**
DEMİR N., Tokaç F.
TURKISH PHYSICAL SOCIETY 37 th INTERNATIONAL PHYSICS CONGRESS, bodrum, Turkey, 1 - 05 September 2021, pp.138
- V. **THE SIGNAL COMPUTATION FOR MICRO-PATTERN GAS CHAMBER**
DEMİR N.
MIDDLE EAST INTERNATIONAL CONFERENCE on CONTEMPORARY SCIENTIFIC STUDIES-V, Ankara, Turkey, 27 March 2021, vol.2, pp.426-431
- VI. **FLUKA Monte Carlo Code Application for Efficiency of 2”x2” NaI(Tl) and LaBr3(Ce) Detectors**
KULUÖZTÜRK Z. N., DEMİR N.
6th International Conference on Computational and Experimental Science and Engineering (ICCESEN 2019), 23 - 27 October 2019
- VII. **The Simulation of Signal generation Process for the Single Gap RPC**
DEMİR N., Taşkın S.
TURKISH PHYSICAL SOCIETY 35. INTERNATIONAL PHYSICS CONFERENCE, 4 - 08 September 2019
- VIII. **An Application of Trapdoor Knapsack with Python Programing**
DOĞAN S., DEMİR N., Tokaç F.
5th INTERNATIONAL CONFERENCE ON COMPUTATIONALAND EXPERIMENTAL SCIENCE AND ENGINEERING, 12 - 16 October 2018
- IX. **Monte Carlo simulations of detection efficiency for 3”x3” NaI(Tl) detector**
KULUÖZTÜRK Z. N., DEMİR N.
5th INTERNATIONAL CONFERENCE ON COMPUTATIONALAND EXPERIMENTAL SCIENCE AND ENGINEERING, 12 - 16 October 2018
- X. **Determination of the mass attenuation coefficients for concrete containing barite at different rates using FLUKA Monte Carlo Code**
GÜNOĞLU K., KULUÖZTÜRK Z. N., DEMİR N., AKKURT İ.
ICCESEN 2017, 4 - 08 October 2017
- XI. **FLUKA Monte Carlo Code simulations for angular distribution of bremsstrahlung photons generated from thin targets with different Z numbers**
DEMİR N., KULUÖZTÜRK Z. N., AKKURT İ.
ICCESEN 2017, 4 - 08 October 2017
- XII. **A Prototype Resistivity Measuring System for the RPC Electrode by Arduino Microcontroller.**
DEMİR N., ER Z.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), 4 - 08 October 2017
- XIII. **Calculations of Temperature Rise on Al Cu and Fe Photon Collimators for 8 32 MeV Photon Beams**
KULUÖZTÜRK Z. N., DEMİR N., AKKURT İ.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN-2016)”, 19 -

24 October 2016

- XIV. **Efficiency calibration of intrinsic Germanium detectors by FLUKA simulation**
Vasilache R. A., DEMİR N., Popovici M.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN-2016)", 19 - 24 October 2016
- XV. **Monte Carlo Simulation Studies of Collimator Parameters for TARLA Bremsstrahlung Facility**
KULUÖZTÜRK Z. N., DEMİR N., AKKURT İ.
3rd International Conference on Computational and Experimental Science and Engineering (ICCESEN-2016)", 19 - 24 October 2016
- XVI. **Monte Carlo Simulations of RPC for 0 511 MeV Photon with FLUKA**
DEMİR N., Aydın A.
ICCESEN 2015, Antalya, Turkey, 14 - 19 October 2015
- XVII. **The Energy Levels Studies of 153Eu n Reactions**
DEMİR N., Ayşe K.
ICCESEN 2015, Antalya, Turkey, 14 - 19 October 2015
- XVIII. **Monte Carlo Studies for Micro Mesh Gaseous Structure Performance**
DEMİR N.
ICCESEN 2015, Antalya, Turkey, 14 - 19 October 2015
- XIX. **Investigation of Spatial and Energy Resolution in Signal for Gas Proportional Detector**
DEMİR N., TAPAN İ.
Fifth General Conference of the Balkan Physical Union BPU-5, Montenegro, 25 August 2003 - 29 April 2015
- XX. **Investigation of Energy Deposition and Dose Distributions on Collimator under Photon Beam**
DEMİR N., KULUÖZTÜRK Z. N., AKKURT İ.
INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN), Turkey, 25 - 29 October 2014
- XXI. **Angular Distribution of Bremsstrahlung Photons in Ta target for 40 MeV electron beam**
DEMİR N., KULUÖZTÜRK Z. N., AKKURT İ.
INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN), Turkey, 25 - 29 October 2014
- XXII. **Monte Carlo Simulations at the Micromegas Detector**
DEMİR N.
INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN), Turkey, 25 - 29 October 2014
- XXIII. **10 38 MeV enerjili elektron demeti tarafından ince metallerde depo edilen enerji ve güç dağılımları**
DEMİRCİ Z. N., DEMİR N., AKKURT İ.
Turkish Physical Society 29th International Physics Congress between September, Turkey, 4 - 08 September 2012
- XXIV. **Bremsstrahlung Fotonlarının Açısal Dağılımına Gaussian Demetin Etkisi**
Demirci Z. N., AKKURT İ., DEMİR N.
Turkish Physical Society 29th International Physics Congress, Bodrum, Turkey, 4 - 08 September 2012
- XXV. **Bremsstrahlung Fotonlarının Açısal Dağılımlarının FLUKA Simülasyon Kodu ile İncelenmesi**
DEMİRCİ Z. N., DEMİR N., AKKURT İ.
İZYEF 2012 İzmir Yüksek Enerji Fiziği ve Uygulamaları Çalıştayı, Turkey, 19 - 23 June 2012
- XXVI. **Radiation shielding of the bremsstrahlung photon facility at TARLA**
AKKURT İ., DEMİR N., YEĞİN G., ŞAHİN BAL S., DOĞRU M.
10th Radiation Physics and Protection Conference, Egypt, 26 - 30 October 2011
- XXVII. **Elektron Bakır Hedef Etkileşmesinde Depo Edilen Enerji**
DEMİRCİ Z. N., AKKURT İ., DEMİR N.
Turkish Physical Society 28th International Physics Congress, 6 - 09 September 2011
- XXVIII. **Elektron Bakır Hedef Etkileşmesinde Bremsstrahlung Fotonlarının açısal Dağılımı**
DEMİRCİ Z. N., AKKURT İ., DEMİR N.
Turkish Physical Society 28th International Physics Congress, 6 - 09 September 2011

- XXIX. **25 MeV Enerjili Elektron Alimünyum Hedef Etkileşmesinde Oluşan Bremsstrahlung Foton Akısı**
DEMİRCİ Z. N., DEMİR N., AKKURT İ.
Turkish Physical Society 28th International Physics Congress, Turkey, 6 - 09 September 2011
- XXX. **Bremsstrahlung Foton Hattı için Kolimatör Tasarımı**
DEMİR N.
Türk Hızlandırıcı Projesi IX: Çalıştay, Turkey, 8 - 10 December 2010
- XXXI. **Simulation of Bremsstrahlung Photon Yields Generated in Thin Radiator**
DEMİR N., AKKURT İ., DOĞRU M., YEĞİN G., TEKİN H. O., DEMİRCİ Z. N.
The Second International Conference on Nuclear and Renewable Energy Resources, Turkey, 4 - 07 July 2010
- XXXII. **Bremsstrahlung Deney Hattı ana Donanımları ve Genel Değerlendirme**
AKKURT İ., DEMİR N., TEKİN H. O.
(THM) VIII. Çalıştay, Turkey, 7 - 09 December 2009
- XXXIII. **Bremsstrahlung Deney Hattında Radyatör Dizaynı**
DEMİR N., AKKURT İ., TEKİN H. O.
THM VIII. Çalıştay, Turkey, 7 - 09 December 2009
- XXXIV. **Signal Fluctuations for Micromegas at Different Gas Pressures**
DEMİR N., TAPAN İ.
Türk Fizik Derneği 26. Uluslararası Fizik Kongresi, 24 - 27 September 2009
- XXXV. **Calculation of bremsstrahlung yield for thin target**
DEMİR N., AKKURT İ., ÇAKIRLI R. B., AKKUŞ B., TEKİN H. O., KUPA İ.
Türk Fizik Derneği 26. Uluslararası Fizik Kongresi, 24 - 27 September 2009
- XXXVI. **Simulation for argon based gas detectors**
DEMİR N., ŞAHİN Ö., TAPAN İ.
11th IWORID International Workshop on Radiation Imaging Detectors, PRAGUE, 28 June - 02 July 2009
- XXXVII. **Detektör Araştırması Örnekleri**
KILIÇ A., TAPAN İ., DEMİR N.
VI. THM YUUP (Türk Hızlandırıcı Merkezi Yaygınlaştırılmış Ulusal ve Uluslararası Proje) Çalıştay, Ankara, Turkey, 2 - 05 December 2008
- XXXVIII. **Determination of optimized bremsstrahlung photon parameters at TAC**
DEMİR N., AKKURT İ., ÇAKIRLI R. B., AKKUŞ B.
PANIC 2008, THE EIGHTEENTH PARTICLE AND NUCLEI INTERNATIONAL CONFERENCE, Israel, 9 - 14 November 2008
- XXXIX. **Electron Linac Based Radiation Facilities of the Turkish Accelerator Center TAC**
AKKURT İ., DEMİR N., ÇAKIRLI R. B., ÖZKORUCUKLU S., TAPAN İ., PİLİÇER E., AKKUŞ B., YAVAŞ Ö., AKSOY A., YILDIZ H., et al.
PANIC 2008, THE EIGHTEENTH PARTICLE AND NUCLEI INTERNATIONAL CONFERENCE, Israel, 9 - 14 November 2008
- XL. **The TAC Radiation Source for Bremsstrahlung Application**
DEMİR N., AKKURT İ., AKKUŞ B., ÇAKIRLI R. B.
TURKISH Physical Society 25th International Physical Congress, Turkey, 25 - 29 August 2008
- XLI. **Space Charge effects on gas Gain in Non Uniform Field Argon Based Detectors**
DEMİR N., TAPAN İ.
9th IWORID, Germany, 22 - 26 July 2007
- XLII. **Argon Tabanlı Çok Telli Orantılı sayaçlarda Sinyal Oluşumu**
DEMİR N., TAPAN İ.
VIII. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Turkey, 15 - 17 October 2003
- XLIII. **Simulation of Signal Generation for Argon Based Multiwire Proportional Counter**
DEMİR N., TAPAN İ.
First Hellenic-Turkish International physics Conference, 10 - 15 September 2001
- XLIV. **Energy Loss Distribution in Argon Based Gas Detectors**
DEMİR N., TAPAN İ.

I. Eurasia Conference on Nuclear Science and its Application, Turkey, 23 - 27 October 2000

XLV. **Manyetik alanın gazlı detektörler üzerine etkisi**

TAPAN İ., DEMİR N.

TFD-2000 Türk Fizik derneği 19. Fizik Kongresi, Turkey, 26 - 29 September 2000

XLVI. **Space Charge effect in Argon Based Gas Detectors**

TAPAN İ., DEMİR N.

Fourth General Conference of BPU4, Bulgaria, 22 - 25 August 2000

Supported Projects

2024 - 2024	RPC Detektörlerde Kullanılan Elektrot Materyallerinin İncelenmesi, Project Supported by Higher Education Institutions
2021 - 2024	PbO ve Bi ₂ O ₃ katkılı baryum-sodyum-silikat camların fiziksel, optik, mekanik, ısısal ve gama zırlama özelliklerinin belirlenmesi, Project Supported by Higher Education Institutions
2021 - 2023	FOTON ALGILAYICI CAM RPC DEDEKTÖR TASARIMI, Project Supported by Higher Education Institutions
2015 - 2017	Eu153 ve Eu151 Atomik Çekirdeklerin Enerji Seviyelerinin ve Yarı Ömürlerinin Fotonükleer Reaksiyon ile Deneysel olarak Belirlenmesi, Project Supported by Higher Education Institutions
2012 - 2017	Yüksek Enerji Fiziği Deneylerinde Kullanılan Çok Telli Sürüklenme Odasının Geliştirilmesine Yönelik Simülasyon Çalışmaları, Project Supported by Higher Education Institutions

Activities in Scientific Journals

2019 - Continues	International Journal of Computational and Experimental Science and Engineering (IJCESEN), Committee Member
------------------	---

Scientific Refereeing

January 2024	NUCLEAR ENGINEERING AND TECHNOLOGY, SCI Journal
December 2023	RADIATION MEASUREMENTS, SCI Journal
October 2023	RADIATION MEASUREMENTS, SCI Journal
September 2023	NUCLEAR ENGINEERING AND TECHNOLOGY, SCI Journal
October 2022	RADIATION PHYSICS AND CHEMISTRY, SCI Journal
August 2022	RADIATION PHYSICS AND CHEMISTRY, SCI Journal
June 2022	Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal

Tasks In Event Organizations

18 Ekim 2024	Demir N., Kuluöztürk Z. N., Kuluöztürk M. F., Tekin H. O., Akyıldırım H., International Conference on Computational and Experimental Science and Engineering, Scientific Congress, Antalya, Turkey
18 Ekim 2024	Demir N., Akkurt İ., Faisal G., Günoğlu K., International Symposium on High Energy Physics (ISHEP-2024), Scientific Congress, Antalya, Turkey
12 Temmuz 2024	Demir N., Akkurt İ., 7 th International Conference Sustainable Science and Technology, Scientific Congress, İstanbul, Turkey
06 Eylül 2024	Demir N., Ozansoy A., Türk Çakır İ., Özcan V. E., Türk Fizik Derneği 16. Ulusal Parçacık Hızlandırıcıları ve Detektörleri Yaz Okulu, Science / Art Camp or Summer School Organization, Muğla, Turkey

27 Ekim 2023	Demir N., Akkurt İ., Beyciođlu A., Kuluöztürk Z. N., Kuluöztürk M. F., 10th International Conference on Computational and Experimental Science and Engineering, Scientific Congress, Antalya, Turkey
12 Temmuz 2023	Demir N., Akkurt İ., Günay O., Akyıldırım H., 6 th International Conference on Sustainable and Technology, Scientific Congress, İstanbul, Turkey
29 Ekim 2022	Demir N., Akkurt İ., Akyıldırım H., Kuluöztürk Z. N., 9 th International Conference on Computational and Experimental Science and Engineering, Scientific Congress, Antalya, Turkey
01 Temmuz 2022	Demir N., Akkurt İ., 5 th International Conference on Sustainable and Technology, Scientific Congress, İstanbul, Turkey

Metrics

Publication: 81
Citation (WoS): 172
Citation (Scopus): 178
H-Index (WoS): 7
H-Index (Scopus): 7

Congress and Symposium Activities

2024	Türk Fizik Derneđi 40. Uluslararası Fizik Kongresi, Audience, Muđla, Turkey
2023	International Conference on Sustainable Sciences and Technology, Attendee, İstanbul, Turkey

Awards

September 2024	Turkish Physical Society 2024 Honor Award, Türk Fizik Derneđi 40. Uluslararası Fizik Kongresi
----------------	---