

HASAN ÖZDOĞAN

ASSOCIATE PROFESSOR



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Education

Doctoral 2013	AKDENİZ UNIVERSITY/INSTITUTE OF HEALTH SCIENCES// Thesis name: İyon Kanallarının Manyetik Etkileşiminin İncelenmesi Thesis Advisor: (NAZMİ YARAŞ)
Doctoral 2012 9/Ocak/2018	SULEYMAN DEMİREL UNIVERSITY/INSTITUTE OF SCIENCE// Thesis name: Fe, Zr, Nb ve Ag füzyon reaktörleri yapısal elementlerinin tesir kesitlerinin nükleer reaksiyon modelleri kullanılarak incelenmesi (2018) Thesis Advisor: (ABDULLAH KAPLAN)
Master (Thesis) 2010 20/Haziran/2012	SULEYMAN DEMİREL UNIVERSITY/INSTITUTE OF SCIENCE// Thesis name: Bazı ağır hedef çekirdekler için denge ve denge-öncesi etkilerin teorik nükleer modeller ile incelenmesi (2012) Thesis Advisor: (ABDULLAH KAPLAN)
Bachelor's Degree 2004 20/Haziran/2010	ANKARA UNIVERSITY/FACULTY OF SCIENCE///

Academic Title

ASSOCIATE PROFESSOR 15.04.2020	ANTALYA BİLİM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU/TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ/TIBBİ GÖRÜNTÜLEME TEKNİKLERİ PR. (TAM BURLU)
ASSISTANT PROFESSOR 2020-2021	ANTALYA BİLİM UNIVERSITY/MESLEK YÜKSEKOKULU/TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ/TIBBİ GÖRÜNTÜLEME TEKNİKLERİ PR. (TAM BURLU)
RESEARCH ASSISTANT 2013-2020	AKDENİZ UNIVERSITY/TIP FAKÜLTESİ/TEMEL TIP BİLİMLERİ BÖLÜMÜ/BİYOFİZİK ANABİLİM DALI (35. Madde Kapsamında görev yapmaktayım.)

Supervised Theses:

Yüksek Lisans

1. SÜLEYMANOĞLU SELİM, (2022). Ionic current estimations from cardiac action potentials by using single and multi-output regression models, Antalya Bilim Üniversitesi->Lisansüstü Eğitim Enstitüsü->Elektrik ve Bilgisayar Mühendisliği Ana Bilim Dalı (Tamamlandı)

Positions in Projects:

1. Te-125 Çekirdeğinden Proton Gelişli Reaksiyonlar ile Radyoaktif I-123,124,125 Çekirdeklerinin Üretim Parametrelerinin Belirlenmesi, Scientific Research Project Supported by Higher Education Institutions, Araştırmacı:ÖZDOĞAN HASAN,Yürütücü:SARPUN İSMAİL HAKKI, , 22/04/2019 - 23/04/2020 (NATIONAL)
2. Ameliyat Esnasında Kemik Dokularının Kontrollü Parçalanması İçin Otomatik Panç Tasarımı, TUBITAK Project, Danışman:HASAN ÖZDOĞAN, Danışman:YİĞİT ALİ ÜNCÜ, Yürütücü:ERKAN GENÇER, , 01/10/2022 - 31/12/2023 (NATIONAL)
3. Yeni Nesil Nanomalzeme Tabanlı Biyouyumlu Pedikül Vida Üretimi, Private Organisations, Yürütücü:ÇAKIN HAKAN,Araştırmacı:GÜNGÖR AFSİN,Araştırmacı:ÖZDOĞAN HASAN.Araştırmacı:KARAMAN ONUR.Araştırmacı:ÜNCÜ YİĞİT ALİ, , 19/11/2019 - 19/11/2019
4. PROton BORon Nuclear fusion: from energy production to medical applicatiOns, COST, Araştırmacı:HASAN ÖZDOĞAN, Proje Koordinatörü:KATARZYNA BARTOSZYNSKA, , 22/05/2022 (In Progress) (INTERNATIONAL)
5. Matematiksel Modelleme Ve Dinamik-Kenetleme Yöntemleri Ile Ventrikül Kardiyomiyosit Aksiyon Potansiyeli Dinamiklerinin İncelenmesi, TUBITAK Project (3501), Yürütücü:ŞENGÜL SEVGİ,Bursiyer:ÖZDOĞAN HASAN,Bursiyer:Sırcan Ahmet Kürşad,Araştırmacı:YARAŞ NAZMI, , 01/10/2017 - 01/12/2019 (NATIONAL)
6. Network for Optimized Astatine labeled Radiopharmaceuticals, COST, Araştırmacı:HASAN ÖZDOĞAN, , 24/03/2020 (In Progress) (INTERNATIONAL)
7. Fundamental challenges in theoretical physics, COST, Araştırmacı:HASAN ÖZDOĞAN, , 12/05/2023 (In Progress) (INTERNATIONAL)
8. Servikal Neoplazilerin Tespitinde Telesentrik Hiperspektral Görüntüleme, TUBITAK Project (1001), Yürütücü:CANPOLAT MURAT,Araştırmacı:ŞİMŞEK TAYUP,Bursiyer:ÖZDOĞAN HASAN,Bursiyer:USLU SERKAN,Bursiyer:Nüzket Tunca.Araştırmacı:Avik Aydın Hülva, , 01/04/2017 - 01/01/2020

Administrative Position

Erasmus Coordinator 29.01.2024	ANTALYA BILIM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU
Quality Commission Membership 24.09.2021	ANTALYA BILIM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU
Vice Director of Vocational School/4 Year School 24.09.2021-19.01.2024	ANTALYA BILIM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU
Executive Board Membership 24.09.2021-19.01.2024	ANTALYA BILIM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU
Head of Department 06.10.2021-30.11.2023	ANTALYA BILIM UNIVERSITY/SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU/TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ

Memberships to Scientific Organizations

1. Türk Fizik Derneği, Member , 2023
2. Türk Biyofizik Derneği, Member , 2015

Awards

1. ANSİAD 17. Girişimcilik Günleri 7. İş Fikri Yarışması, ANSİAD, 2019

Courses *

Öğrenim Dili Course Hour

2023-2024

Associate's Degree Programme

Temel Fizik

Turkish

6

Genel Fizik	Turkish	3
Bachelor's Degree Programme		
Fizik	Turkish	2
Temel Tıp Bilimleri I (Biyofizik)	Turkish	2
Temel Tıp Bilimleri II (Biyofizik)	Turkish	2
2022-2023		
Associate's Degree Programme		
Radyolojik Görüntüleme Fiziği	Turkish	3
Temel Bilgi Teknolojileri	Turkish	2
Temel Fizik	Turkish	3
Genel Fizik	Turkish	3
Biyofizik	Turkish	2
Bachelor's Degree Programme		
Fizik	Turkish	2
2021-2022		
Associate's Degree Programme		
Temel Bilgi Teknolojileri	Turkish	2
Radyolojik Görüntüleme Fiziği	Turkish	3
Genel Fizik	Turkish	3
Temel Fizik	Turkish	3

Works

Articles published in international refereed journals:

1. GÖKÇE YASİN, AKMAN FERDİ, KILIÇOĞLU MEHMETCİK ÖZGE, ÜNCÜ YİĞİT ALİ, ÖZDOĞAN HASAN (2024). A pilot study of diabetes effects on radiation attenuation characteristics of tibia and femur of rats. *Applied Radiation and Isotopes*, 208, Doi: 10.1016/j.apradiso.2024.111296 (Publication No: 8959072)
2. AKMAN FERDİ, KILIÇOĞLU MEHMETCİK ÖZGE, OĞUL HASAN, ÖZDOĞAN HASAN, KAÇAL MUSTAFA RECEP, POLAT HASAN (2024). Assessment of neutron and gamma-ray shielding characteristics in ternary composites: Experimental analysis and Monte Carlo simulations. *Radiation Physics and Chemistry*, 219, Doi: 10.1016/i.radphyschem.2024.111682 (Publication No: 8959084)
3. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2024). Neural network predictions of (α, n) reaction cross sections at 18.5 ± 3 MeV using the Levenberg-Marquardt algorithm. *Applied Radiation and Isotopes*, 204, Doi: 10.1016/j.apradiso.2023.111115 (Publication No: 8877761)
4. AKMAN FERDİ, ÖZDOĞAN HASAN, KILIÇOĞLU MEHMETCİK ÖZGE, OĞUL HASAN, AĞAR OSMAN, KAÇAL MUSTAFA RECEP, POLAT HASAN, TURŞUCU AHMET (2023). Gamma, charged particle and neutron radiation shielding capacities of ternary composites having polyester/barite/tungsten boride. *Radiation Physics and Chemistry*, 212, Doi: 10.1016/j.radphyschem.2023.111120 (Publication No: 8378641)
5. AÇIKGÖZ ABUZER, ALADAILAH M. W., Tashlykov O. L, DEMİRCAN GÖKHAN, KAMIŞLIOĞLU MİRAC, YAŞAR MEHMET MURAT, ÖZDOĞAN HASAN, YORULMAZ NURİ (2023). Influence of Nd₂O₃ on radiation shielding and elastic properties of TeO₂-MgO-Na₂O glasses: A simulation study by PHITS and MCNP. *PRAMANA-JOURNAL OF PHYSICS*, 97, Doi: 10.1007/s12043-023-02629-7 (Publication No: 8877733)
6. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2023). Calculation of double differential neutron cross-sections of ⁵⁶Fe and ⁹⁰Zr isotopes. *Applied Radiation and*

Articles published in international refereed journals:

Isotopes, 199, Doi: 10.1016/j.apradiso.2023.110922 (Publication No: 8412950)

7. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2023). Production cross-section calculations of some strontium isotopes via (p,x) reactions on natural abundance rubidium using different level density models. *Radiochimica Acta*, 0, Doi: 10.1515/ract-2023-0149 (Publication No: 8464467)
8. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ (2023). The Investigation of (p,xn), (p,xp), (p,xd) and (p,xt) Reactions of ²⁰⁹Bi isotope with Theoretical Nuclear Models. *Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi*, 18, Doi: 10.29233/sdufeffd.1217959 (Publication No: 8959088)
9. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2023). A study on the cross-section data of ^{43,44m,46,47}Sc isotopes via (d,x) reactions on natural abundance targets under the effects of deuteron optical models. *Applied Radiation and Isotopes*, 194, Doi: 10.1016/j.apradiso.2023.110714 (Publication No: 8239897)
10. ÜNCÜ YİĞİT ALİ, ÖZDOĞAN HASAN (2023). Estimations for the Production Cross Sections of Medical ^{61, 64, 67}Cu Radioisotopes by Using Bayesian Regularized Artificial Neural Networks in (p, α) Reactions. *Arabian Journal for Science and Engineering*, 48, Doi: 10.1007/s13369-023-07801-0 (Publication No: 8414122)
11. ÜNCÜ YİĞİT ALİ, ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2023). Investigation of the production routes of Palladium-103 and Iodine-125 radioisotopes. *Radiation Physics and Chemistry*, 204, Doi: 10.1016/i.radphyschem.2022.110658 (Publication No: 8239886)
12. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2023). Estimations for (n,α) reaction cross sections at around 14.5MeV using Levenberg-Marquardt algorithm-based artificial neural network. *Applied Radiation and Isotopes*, 192, Doi: 10.1016/j.apradiso.2022.110609 (Publication No: 8239907)
13. ÜNCÜ YİĞİT ALİ, SEVİM GENÇAY, AĞAR OSMAN, ÖZDOĞAN HASAN (2023). Mass attenuation coefficient, stopping power, and penetrating distance calculations via Monte Carlo simulations for cell membranes. *Kuwait Journal of Science*, 50(1), 1-12., Doi: 10.48129/kjs.15657 (Publication No: 8184546)
14. ÖZDOĞAN HASAN, ŞEKERCİ MERT, Cinoğlu KARACA Merve, OKUTAN MURAT, DEMİR BAYRAM, KAPLAN ABDULLAH (2022). An Investigation on Production Routes of ²³⁰Th Radioisotope Used in Targeted Alpha Therapy by Different Level Density Models. *Moscow University Physics Bulletin*, 77, Doi: 10.3103/S0027134922060170 (Publication No: 8239894)
15. ŞENGÜL AYAN SEVGİ, Süleymanoğlu Selim, ÖZDOĞAN HASAN (2022). A pilot study of ion current estimation by ANN from action potential waveforms. *Journal of Biological Physics*, Doi: 10.1007/s10867-022-09619-7 (Publication No: 7927371)
16. ÖZDOĞAN HASAN, KILIÇOĞLU MEHMETCİK ÖZGE, AKMAN FERDİ, AĞAR OSMAN (2022). Comparison of Monte Carlo simulations and theoretical calculations of nuclear shielding characteristics of various borate glasses including Bi, V, Fe, and Cd. *Applied Radiation and Isotopes*, 189, Doi: 10.1016/i.apradiso.2022.110454 (Publication No: 7802081)
17. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2022). Effects of combining some theoretical models in the cross-section calculations of some alpha-induced reactions for natSb. *Applied Radiation and Isotopes*, 186, Doi: 10.1016/j.apradiso.2022.110255 (Publication No: 7689994)
18. OFLAZ UĞUR, SARPÜN İSMAİL HAKKI, ÖZDOĞAN HASAN (2022). Investigation of level density and Gama strength function for photoneutron reaction in medical linacs in Beamline. *Applied Radiation and Isotopes*, 186, Doi: 10.1016/i.apradiso.2022.110286 (Publication No: 7689996)
19. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2022). Effects of deuteron optical model potentials on the production cross-section calculations of ⁶⁶⁻⁶⁸Ga from natZn and natGe. *MODERN PHYSICS LETTERS A*, 37, Doi: 10.1142/S0217732322501772 (Publication No: 7935131)
20. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2022). Mass excess estimations using artificial neural networks. *Applied Radiation and Isotopes*, 184(6)-110167., Doi: 10.1016/i.apradiso.2022.110162 (Publication No: 7677557)
21. ÜNCÜ YİĞİT ALİ, DANIŞMAN TANER, ÖZDOĞAN HASAN (2022). Calculations of GDR parameters for deformed nuclei using LogitBoost classifier and artificial neural network. *Modern Physics Letters A*, 37, Doi: 10.1142/S0217732322500791 (Publication No: 7705247)
22. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2022). Effects of combining some theoretical models in the cross-section calculations of some alpha-induced reactions for Sb-nat. *APPLIED RADIATION AND ISOTOPES*, 186, Doi: 10.1016/j.apradiso.2022.110255 (Publication No: 8413479)
23. ÜNCÜ YİĞİT ALİ, KARAMAN ONUR, ÇAKIN HAKAN, ÖZDOĞAN HASAN (2021). Calculation of Mass Attenuation Coefficients for Pedicle Screw by Monte Carlo Simulation. *Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi*, 16(2), 533-543., Doi: 10.29233/sdufeffd.998966 (Publication No: 7285581)

Articles published in international refereed journals:

24. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2021). Effects of deuteron optical models on the cross-section calculations of deuteron induced reactions on natural germanium. *Applied Radiation and Isotopes*, 176, Doi: 10.1016/i.apradiso.2021.109875 (Publication No: 7136659)
25. DALAMAN UĞUR, ÖZDOĞAN HASAN, Sircan Ahmet Kürşad, ŞENGÜL SEVGİ, YARAŞ NAZMİ (2021). Sulfur Dioxide Derivative Prevents the Prolongation of Action Potential During the Isoproterenol-Induced Hypertrophy of Rat Cardiomyocytes. *Anais da Academia Brasileira de Ciências*, 93, Doi: 10.1590/0001-3765202120201664 (Publication No: 7211219)
26. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). A study on the estimations of (n, t) reaction cross-sections at 14.5 MeV by using artificial neural network. *Modern Physics Letters A*, 36(23), 2150168-2150178., Doi: 10.1142/S0217732321501686 (Publication No: 7149228)
27. ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). Production cross-section and reaction yield calculations for 123-126I isotopes on 123Sb(α ,xn) reactions. *Kuwait Journal of Science*, 48(2), 1-11., Doi: 10.48129/kis.v48i2.9310 (Publication No: 7016416)
28. ÖZDOĞAN HASAN (2021). Estimation of (n,p) reaction cross sections at 14.5 MeV neutron energy by using artificial neural network. *Applied Radiation and Isotopes*, 170, Doi: 10.1016/i.apradiso.2020.109584 (Publication No: 6900020)
29. ÖZDOĞAN HASAN, SARPÜN İSMAİL HAKKI, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). Production cross-section calculations of 111In via proton and alpha-induced nuclear reactions. *Modern Physics Letters A*, 36, Doi: 10.1142/S0217732321500516 (Publication No: 6988072)
30. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). Estimations of level density parameters by using artificial neural network for phenomenological level density models. *Applied Radiation and Isotopes*, 109583 (Publication No: 6844226)
31. ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, KARAMAN ONUR, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). Estimations of giant dipole resonance parameters using artificial neural network. *APPLIED RADIATION AND ISOTOPES* (Publication No: 6826073)
32. KAPLAN ABDULLAH, ŞEKERCİ MERT, ÖZDOĞAN HASAN, DEMİR BAYRAM (2020). A Study on the Calculations of Cross-Sections for 66,67Ga and 75Se Radionuclides Production Reactions via 3He Particles. *Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering*, 21(4), 554-561., Doi: 10.18038/estubtda.761276 (Publication No: 6710922)
33. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2020). Astrophysical S Factor Calculations under the Effects of Gamma-Ray Strength Functions for Some Alpha Capture Reactions. *Moscow University Physics Bulletin*, 75, 585-589., Doi: 10.3103/S002713492006017X (Publication No: 6989240)
34. ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2020). An Investigation on the Effects of Some Theoretical Models in the Cross-Section Calculations of 50,52,53,54Cr(α ,x) Reactions. *Physics of Atomic Nuclei*, 83(6), 820-827., Doi: 10.1134/S1063778820660060 (Publication No: 6938917)
35. ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2020). Photo-neutron cross-section calculations of 54,56Fe, 90,91,92,94Zr, 93Nb and 107Ag Isotopes with newly obtained Giant Dipole Resonance parameters. *APPLIED RADIATION AND ISOTOPES*(165), 109356 (Publication No: 6382060)
36. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2020). An investigation of effects of level density models and gamma ray strength functions on cross-section calculations for the production of 90Y, 153Sm, 169Er, 177Lu and 186Re therapeutic radioisotopes via (n, γ) reactions. *RADIOCHIMICA ACTA*, 108(1), 11-17., Doi: 10.1515/ract-2019-3123 (Publication No: 5045088)
37. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2020). Level density model effects on the production cross-section calculations of some medical isotopes via (α , xn) reactions where x= 1-3. *MODERN PHYSICS LETTERS A*, 35(24), 2050202, Doi: 10.1142/S0217732320502028 (Publication No: 6318882)
38. SARPÜN İSMAİL HAKKI, ÖZDOĞAN HASAN, Taşdöven Kemal, YALIM HÜSEYİN ALİ, KAPLAN ABDULLAH (2019). Theoretical photoneutron cross-section calculations on Osmium isotopes by Talys and Empire codes. *MODERN PHYSICS LETTERS A*, 34(26), 1950210, Doi: 10.1142/S0217732319502109 (Publication No: 5099486)
39. ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2019). S-Factor Analysis of Proton Capture Reactions on 112,114,116,119Sn and 113,115In Isotopes. *Physics of Atomic Nuclei*, 82(4), 324-329., Doi: 10.1134/S106377881904015X (Publication No: 5192686)
40. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2019). Investigation on the Different Production Routes of 67Ga Radioisotope by Using Different Level Density Models. *Moscow University Physics Bulletin*, 74(3), 277-281., Doi: 10.3103/S0027134919030123 (Publication No: 5167172)
41. ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH (2019). A new developed semi-empirical formula for the (α ,p) reaction cross-section at 19 \pm 1 MeV. *MODERN PHYSICS LETTERS A*, 34(06), 1950044, Doi: 10.1142/S0217732319500445 (Publication No: 4882734)

Articles published in international refereed journals:

42. ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2019). Investigation of gamma strength functions and level density models effects on photon induced reaction cross-section calculations for the fusion structural materials $^{46,50}\text{Ti}$, ^{51}V , ^{58}Ni and ^{63}Cu . APPLIED RADIATION AND ISOTOPES, 143. 6-10.. Doi: 10.1016/i.apradiso.2018.10.011 (Publication No: 4422686)
43. ÖZDOĞAN HASAN (2019). Theoretical calculations of production cross-sections for the ^{201}Pb , ^{111}In ^{18}F and ^{11}C radioisotopes at proton induced reactions. APPLIED RADIATION AND ISOTOPES, 143, 1-5., Doi: 10.1016/i.apradiso.2018.10.007 (Publication No: 4422651)
44. ÖZDOĞAN HASAN,ŞEKERCİ MERT,SARPÜN İSMAİL HAKKI,KAPLAN ABDULLAH (2018). Investigation of level density parameter effects on (p,n) and (p,2n) reaction cross-sections for the fusion structural materials ^{48}Ti , ^{63}Cu and ^{90}Zr . Applied Radiation and Isotopes, 140, 29-34., Doi: 10.1016/i.apradiso.2018.06.013 (Publication No: 4578116)
45. KAPLAN ABDULLAH,ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN (2017). Photon Induced Reaction Cross-Section Calculations of Several Structural Fusion Materials. Journal of Fusion Energy, 36(6), 213-217.. Doi: 10.1007/s10894-017-0141-2 (Publication No: 3787222)
46. KAPLAN ABDULLAH,ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN (2016). Computations of (α ,xn) Reaction Cross-Section for $^{107,109}\text{Ag}$ Coated Materials with Possible Application in Accelerators and Nuclear Systems. Journal of Fusion Energy, 35(4), 715-723., Doi: 10.1007/s10894-016-0096-8 (Publication No: 2856265)
47. DEMİR BAYRAM,KAPLAN ABDULLAH,ÇAPALI VELİ,ÖZDOĞAN HASAN,SARPÜN İSMAİL HAKKI,AYDIN ABDULLAH,TEL EYYUP (2015). Neutron Production Cross-Section and Geant4 Calculations of the Structural Fusion Material ^{59}Co for (α ,xn) and (γ ,xn) Reactions. Journal of Fusion Energy, 34(3), 636-641.. Doi: 10.1007/s10894-015-9860-4 (Publication No: 1696442)
48. ÖZDOĞAN HASAN,ÇAPALI VELİ,KAPLAN ABDULLAH (2015). Reaction Cross Section Stopping Power and Penetrating Distance Calculations for the Structural Fusion Material ^{54}Fe in Different Reactions. Journal of Fusion Energy, 34(2), 379-385., Doi: 10.1007/s10894-014-9809-z (Publication No: 1696398)
49. KAPLAN ABDULLAH,ÇAPALI VELİ,ÖZDOĞAN HASAN (2015). Fission cross section calculations for ^{209}Bi target nucleus based on fission reaction models in high energy regions. EPJ Web of Conferences, 100. 1003. Doi: 10.1051/epiconf/201510001003 (Publication No: 2856266)
50. KAPLAN ABDULLAH,SARPÜN İSMAİL HAKKI,AYDIN ABDULLAH,TEL EYYUP,ÇAPALI VELİ,ÖZDOĞAN HASAN (2015). (γ , 2n) Reaction cross-section calculations of several even-even lanthanide nuclei using different level density models. Physics of Atomic Nuclei, 78(1), 53-64., Doi: 10.1134/S106377881501010X (Publication No: 1696351)
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53. KAPLAN ABDULLAH,ÖZDOĞAN HASAN,AYDIN ABDULLAH,TEL EYYUP (2013). (γ ,2n) Reaction Cross Section Calculations on Several Structural Fusion Materials. Journal of Fusion Energy, 32(4), 431-436.. Doi: 10.1007/s10894-012-9590-9 (Publication No: 5357261)
54. KAPLAN ABDULLAH,ÖZDOĞAN HASAN,AYDIN ABDULLAH,TEL EYYUP (2013). Photo-neutron Cross Section Calculations of Several Structural Fusion Materials. Journal of Fusion Energy, 32(3), 344-349.. Doi: 10.1007/s10894-012-9575-8 (Publication No: 1696129)
55. KAPLAN ABDULLAH,ÖZDOĞAN HASAN,AYDIN ABDULLAH,TEL EYYUP (2013). Deuteron Induced Cross Section Calculations of Some Structural Fusion Materials. JOURNAL OF FUSION ENERGY, 32(1), 97-102.. Doi: 10.1007/s10894-012-9532-6 (Publication No: 1696066)

B. Papers presented at international scientific meetings and published in proceedings :

1. ÜNCÜ YİĞİT ALİ, ÖZDOĞAN HASAN (2021). Vascular Segmentation in X-ray Angiograms Using Frangi Filter. INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES (Abstract/Oral Presentation) (Publication No: 7223685)
2. ŞEKERCİ MERT,ÖZDOĞAN HASAN (2019). Production Cross-Section Calculations of ^{62}Cu via Charged Particles Induced Reactions. 28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY (Abstract/Oral Presentation) (Publication No: 5076691)
3. ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2019). An Investigation on Gamma-Ray Shielding Properties of Zr-Based Bulk Metallic Glasses. 28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY (Abstract/Oral Presentation) (Publication No: 5076688)

4. ÖZDOĞAN HASAN (2019). Theoretical investigation of cross-section calculations for $^{62}\text{Ni}(p,\gamma)^{63}\text{Cu}$ and $^{63}\text{Cu}(\gamma,n)^{62}\text{Cu}$ reactions. 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 5237978)
5. ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2019). Angular distribution of neutron emission spectra of ^{56}Fe in alpha induced reaction. 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 5237968)
6. KAPLAN ABDULLAH,ÖZDOĞAN HASAN (2019). Neutron emission spectra of $^{90,94}\text{Zr}$ at 26.8 and 45.2 MeV alpha energies. 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 5237982)
7. ŞENGÜL SEVGİ,YARAŞ NAZMI,ÖZDOĞAN HASAN,Sircan Ahmet Kürşad,Kurt Ahmet (2019). Mathematical Modeling and Simulations of Cardiac Action Potential. International Conference on Artificial Intelligence and Applied Mathematics in Engineering 2019, 17-17. (Abstract/Oral Presentation) (Publication No: 5045090)
8. ŞENGÜL SEVGİ,Sircan Ahmet Kürşad,Kurt Ahmet,ÖZDOĞAN HASAN,YARAŞ NAZMI (2019). Modeling and analyzing Ca^{2+} channel dynamics during cardiac action potential. INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2019, 266-272. (Full Text Publication/Oral Presentation) (Publication No: 5045097)
9. SARPÜN İSMAİL HAKKI,ÖZDOĞAN HASAN,KAPLAN ABDULLAH,DEMİR BAYRAM,AYDIN ABDULLAH (2019). Production Cross Section Calculations of ^{51}Cr , ^{64}Zn , ^{123}I and ^{103}Pd Radioisotopes for Deuteron Induced Reactions. 2nd Pak-Turk Conference on Emerging Technologies in the Field of Sciences and Engineering (Abstract/Oral Presentation) (Publication No: 5280410)
10. ŞEKERCİ MERT,ÖZDOĞAN HASAN (2018). Charged Particle Penetration Distance, Material Stopping Power and Mass Attenuation Coefficient Calculations for Nuclear Reactor Control Rod Material Europium. INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS (Full Text Publication/Oral Presentation) (Publication No: 4581568)
11. ÖZDOĞAN HASAN,ŞEKERCİ MERT (2018). Double Differential Cross-Section Calculations for $^{27}\text{Al}(d,xn)$. INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS (Full Text Publication/Oral Presentation) (Publication No: 4581572)
12. SARPÜN İSMAİL HAKKI,ÖZDOĞAN HASAN,BOZKURT AHMET,KAPLAN ABDULLAH (2018). (g,n) CROSS SECTION CALCULATION OF SEVERAL Sn ISOTOPES BY USING DIFFERENT RADIATIVE STRENGTH FUNCTION MODEL. 3rd International Conference on Engineering Technology and Applied Sciences (Full Text Publication/Oral Presentation) (Publication No: 4578046)
13. KAPLAN ABDULLAH,ÖZDOĞAN HASAN,ŞEKERCİ MERT (2018). Deuteron induced reaction cross-section calculations for $^{107,109}\text{Ag}$, $^{151,153}\text{Eu}$ and ^{160}Gd isotopes. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577979)
14. ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2018). $(n,2n)$ reaction cross-section calculations of some Cd isotopes. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577844)
15. KAPLAN ALİ NADİ,ÖZEL CENGİZ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2018). Proton and alpha radiation effects on hematite aggregated polymer concretes by using GEANT4. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577873)
16. ÖZDOĞAN HASAN,KAPLAN ABDULLAH,ŞEKERCİ MERT,KAPLAN ALİ NADİ (2018). Comparison of penetrating distance calculations for magnetite and ordinary concrete. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577936)
17. KAPLAN ABDULLAH,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2018). Neutron production cross-section calculations of ^{111}Cd for (p,xn) reactions. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577989)
18. SARPÜN İSMAİL HAKKI,ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2018). Photo-neutron cross section calculations of $^{84,86,87,88}\text{Sr}$. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4578005)
19. ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2018). (n,p) reaction cross-section calculations of fission reactor control rod materials ^{107}Ag , $^{111,112,113}\text{Cd}$, ^{115}In . 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577823)

20. ÖZDOĞAN HASAN,KAPLAN ALİ NADİ,ŞEKERCİ MERT,KAPLAN ABDULLAH (2018). Comparison of stopping power calculations for magnetite and ordinary concrete. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Full Text Publication/Oral Presentation) (Publication No: 4577959)
21. TEL EYYUP,KAVUN YUSUF,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2017). Energy spectrum of $^{208}\text{Pb}(n,x)$ reactions. Turkish Physical Society 33rd International Physics Congress, Doi: 10.1063/1.5026017 (Full Text Publication/Poster) (Publication No: 5299044)
22. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2017). A New Developed Semi-Empirical Formula for Nuclear Reaction Cross-Section Calculations. 4th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2017), 68 (Abstract/Oral Presentation) (Publication No: 3624726)
23. KAPLAN ABDULLAH,ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ (2017). Semi-Empirical Systematic Development for Photon Induced Nuclear Reaction Cross-Section Calculations. 4th International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2017), 111 (Abstract/Oral Presentation) (Publication No: 3624728)
24. ÖZDOĞAN HASAN,YARAŞ NAZMİ,KAPLAN ABDULLAH (2017). Radiation Effects on Membrane Proteins of Voltage Gated Sodium Channels. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Abstract/Oral Presentation) (Publication No: 3787174)
25. KAPLAN ABDULLAH,ŞEKERCİ MERT,ÖZDOĞAN HASAN,ÇAPALI VELİ (2017). (g,abs) cross-section calculations of some fusion structural materials. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 77 (Abstract/Oral Presentation) (Publication No: 3624711)
26. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2017). Investigation of neutron and gamma induced reaction effects on TiO_2 and Al_2O_3 coated nickel used at nuclear reactors. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 91 (Abstract/Oral Presentation) (Publication No: 3624715)
27. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2017). Total cross-section calculations of neutron induced reactions for some control rod materials used in nuclear reactors. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 88 (Abstract/Oral Presentation) (Publication No: 3624713)
28. ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2017). Production cross-section calculations of medical Tb isotopes. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 90 (Abstract/Oral Presentation) (Publication No: 3624714)
29. KAPLAN ABDULLAH,ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2016). Effects of Mean Free Path Parameters for Reaction Cross Section Calculations. 1st International Underground Resources and Energy Conference (Abstract/Poster) (Publication No: 2937499)
30. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Production Cross Section of Medical ^{177}Lu Using Neutron and Proton Induced Reactions. 1st International Underground Resources and Energy Conference (Abstract/Poster) (Publication No: 2937512)
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32. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Reaction Cross Section Calculations of the Structural Reactor Materials $^{58,60,61,62,64}\text{Ni}$ for Different Level Density Models. 1st International Underground Resources and Energy Conference (Abstract/Oral Presentation) (Publication No: 2937487)
33. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Cross Section Computations of ^{238}Pu and ^{242}Pu Nuclei Used as Nuclear Reactor Fuel Recycle Material. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Full Text Publication/Poster) (Publication No: 2879564)
34. ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2016). Neutron Induced Cross Section Calculations for $^{196,198,199,200}\text{Hg}$ Isotopes. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Abstract/Poster) (Publication No: 2879567)
35. KAPLAN ABDULLAH,ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2016). Neutron Emission Spectra for ^{208}Pb Target Nucleus. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Full Text Publication/Poster) (Publication No: 2898055)
36. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Geant4 Simulation of Nuclear Interactions for Some Polymers Used as Radiation Shielding Material. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology

37. ÖZDOĞAN HASAN, KAPLAN ABDULLAH, ÇAPALI VELİ (2015). Investigation of α , d , p , n , t and ^3He Emission Spectra for ^{58}Ni Target Nucleus at 90 MeV Proton Incident Energy. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (Abstract/Poster) (Publication No: 1902426)
38. ÇAPALI VELİ, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2015). Particle Emission Spectra Produced by Proton Induced Reactions at 90 MeV for ^{209}Bi Target Nucleus. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Abstract/Poster) (Publication No: 1902499)
39. DEMİR BAYRAM, SARPÜN İSMAİL HAKKI, ÇAPALI VELİ, KAPLAN ABDULLAH, ÖZDOĞAN HASAN, AYDIN ABDULLAH, TEL EYYUP (2015). Theoretical Calculations of Medical ^{125}I Radionuclide Using α , d and g Induced Reactions. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Abstract/Poster) (Publication No: 1903008)
40. AKBAŞ UĞUR, OKUTAN MURAT, DEMİR BAYRAM, KÖKSAL CANAN, SARPÜN İSMAİL HAKKI, ÇAPALI VELİ, KAPLAN ABDULLAH, ÖZDOĞAN HASAN, AYDIN ABDULLAH (2015). Dosimetric Comparison of Tools Used in the Quality Assurance of Intensity Modulated Radiation Therapy A Phantom Study. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Abstract/Oral Presentation) (Publication No: 1902741)
41. KAPLAN ABDULLAH, ÇAPALI VELİ, ÖZDOĞAN HASAN (2015). Fission Cross Section Calculation for ^{209}Bi Target Nucleus Based on Fission Reaction Models in High Energy Regions. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Abstract/Poster) (Publication No: 1902316)
42. KAPLAN ABDULLAH, ÖZDOĞAN HASAN, ÇAPALI VELİ (2014). Cross Section Calculations on ^{63}Cu Isotope for (g,n) , $(g,2n)$, (g,p) , $(g,2p)$ Reactions. 31th International Physics Congress (Abstract/Poster) (Publication No: 1901733)
43. ÇAPALI VELİ, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2014). Cross Section Calculations of (g,n) and $(g,2n)$ Reactions for $^{206}, ^{207}\text{Pb}$ Target Nuclei. 31th International Physics Congress (Abstract/Poster) (Publication No: 1901831)
44. YARAŞ NAZMİ, ÖZDEMİR SEMİR, DALAMAN UĞUR, ÖZDOĞAN HASAN (2014). Sulfur dioxide derivative prevents isoproterenol induced electrophysiological alterations. *Frontiers in CardioVascular Biology* 2014, Doi: 10.1093/cvr/cvu082 (Abstract/Poster) (Publication No: 5362284)
45. Altunkök Simay Özleyiş, KAPLAN ABDULLAH, Ergün Yıldız, ÖZDOĞAN HASAN (2011). Siklotronda Üretilen Gama yayıcı ^{57}Co Radyoizotopu İçin Teorik Tesir Kesiti Hesaplamaları. 28th International Physics Congress (Abstract/Poster) (Publication No: 1901511)
46. Ergün Yıldız, KAPLAN ABDULLAH, ÖZDOĞAN HASAN, Altunkök Simay Özleyiş (2011). Production Cross Sections of Medical ^{123}I Radioisotope. 28th International Physics Congress (Abstract/Poster) (Publication No: 1901299)
47. ÖZDOĞAN HASAN, KAPLAN ABDULLAH, Ergün Yıldız, Altunkök Simay Özleyiş (2011). Production Cross Section Calculations of Some Alkaline Earth Elements in Nucleon Induced Reactions. 28th International Physics Congress (Abstract/Poster) (Publication No: 1899664)
48. KAPLAN ABDULLAH, ÖZDOĞAN HASAN, Ergün Yıldız, Altunkök Simay Özleyiş (2011). Alpha Emissions in Nucleon Induced Reactions for ^{27}Al , ^{89}Y , ^{90}Zr and ^{133}Cs Target Nuclei. 28th International Physics Congress (Abstract/Poster) (Publication No: 1899382)

D. Articles published in national refereed journals :

1. ÖZDOĞAN HASAN (2021). $^{206}, ^{207}\text{Pb}(p, xn)$ Reaksiyonu Tesir Kesiti Hesaplamalarına Seviye Yoğunluğu Modellerinin Etkilerinin İncelenmesi. Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 16(1), 157-168., Doi: 10.29233/sdufeffd.901160 (Control No: 7086819)
2. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2020). $^{75-77}\text{Br}$ Radyoizotoplarının Üretim Tesir Kesiti Hesaplamalarında Bazı Seviye Yoğunluğu Modellerinin Etkilerinin İncelenmesi. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi (Control No: 6424299)
3. ÜNCÜ YİĞİT ALİ, ÖZDOĞAN HASAN (2020). Mamografi Sistemlerinde İlgi Alanı, Türev ve İnce Gruplama Seçimlerinin Modülasyon Transfer Fonksiyonunun Üzerine Etkileri. Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 23-35. (Control No: 6254568)
4. ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH (2019). Charged Particle Penetration Distance and Mass Stopping Power Calculations on Some Nuclear Reactor Control Rod Materials. Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 12(2), 1103-1115., Doi: 10.18185/erzifbed.562185 (Control No: 5208219)
5. ÖZDOĞAN HASAN (2018). $^{181}\text{Ta}(\alpha, xn)$ Reaksiyonu Tesir Kesitlerinin İncelenmesi. Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 13(2), 54-66., Doi: 10.29233/sdufeffd.444816 (Control No: 4531995)

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7. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Reaction Cross Section Calculations for the Structural Reactor Materials 58,60,61,62,64Ni with Different Level Density Models. Cumhuriyet Science Journal, 37 (Control No: 2937614)
8. ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2016). Cross Section Calculations of (g,xn) and (p,xn) Reactions for 197Au. Cumhuriyet Science Journal, 37 (Control No: 2937617)
9. KAPLAN ABDULLAH,ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2016). Effects of Mean Free Path Parameters for Reaction Cross Section Calculations. Cumhuriyet Science Journal, 37 (Control No: 2937584)
10. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Production Cross Section Calculations of Medical 177Lu Using Neutron and Proton Induced Reactions. Cumhuriyet Science Journal, 37 (Control No: 2937601)
11. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). LiH Reaktör Moderatör Malzemesi İçin Hadronik Etkileşimlerin Geant4 Benzetimi. SDU Journal of Science, 11(2), 82-88. (Control No: 2935072)
12. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Reaction Cross Section Calculations in Neutron Induced Reactions and GEANT4 Simulation of Hadronic Interactions for the Reactor Moderator Material BeO. SDÜ Fen Bilimleri Enstitüsü Dergisi, 20(2), 161-166., Doi: 10.19113/sdufhed.64229 (Control No: 3020291)
13. ÇAPALI VELİ,ÖZDOĞAN HASAN,Doğan Süleyman Sedat,KAPLAN ABDULLAH (2014). 27Al , 54Fe, 58Ni ve 90Zr Hedef Çekirdekleri İçin 10-30 MeV Enerji Aralığında (g,p) Reaksiyon Tesir Kesiti Hesaplamaları. Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, 9(2), 107-112. (Control No: 1717570)
14. Doğan Süleyman Sedat,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2014). Eriyik Tuz Reaktörlerinde Yakıt Malzemesi Olarak Kullanılan Na Çekirdeğinin Üretim Tesir Kesiti Hesaplamaları. Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, 9(2), 100-106. (Control No: 1703501)
15. ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2013). 197Au İçin Reaksiyon Tesir Kesiti Hesaplamaları. Süleyman Demirel University, Arts and Sciences Faculty, Journal of Science, 8(1), 82-91. (Control No: 1696675)

E. Papers presented at national scientific meetings and published in

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2. ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,DEMİR BAYRAM,KAPLAN ABDULLAH (2016). Akciğer Tümörü İçin Foton Ve Proton Işın Tedavilerinin Geant4 Monte Carlo Yöntemiyle Karşılaştırmalı Benzetimi. ADIM Fizik Günleri-V (Abstract/Oral Presentation) (Publication No: 2879541)
3. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). LiH Reaktör Moderatör Malzemesi İçin Hadronik Etkileşimlerin Geant4 Benzetimi. ADIM Fizik Günleri-V (Abstract/Poster) (Publication No: 2879544)
4. SAVAŞ KAMİL,ÖZDOĞAN HASAN,YARAŞ NAZMİ (2015). Frekans Alanındaki İletim Hızı Dağılımı Tahmini Metodunun Soğuk Uygulaması ile Test Edilmesi. 27. ULUSAL BİYOFİZİK KONGRESİ (Abstract/Poster) (Publication No: 5290422)
5. ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2015). Nükleer Reaktörlerde Moderatör Malzeme Olarak Kullanılan Doğal Karbon Çekirdeği İçin Tesir Kesiti Hesaplamaları. ADIM Fizik Günleri-IV (Abstract/Poster) (Publication No: 1904988)
6. KAPLAN ABDULLAH,ÇAPALI VELİ,ÖZDOĞAN HASAN,ŞEKERCİ MERT (2015). Zırlama Malzemesi Olarak Kullanılan Ağır Beton Duvarların Radyasyon Geçirgenliği Geant4 Yazılımı İle İncelenmesi. ADIM Fizik Günleri-IV. (Abstract/Poster) (Publication No: 1904875)
7. ÇAPALI VELİ,ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2015). Geant4 Simülasyon Programı Kullanılarak Protonlarla Işınlanan Beyin Dokusu İçin Penetrasyon ve Depo Edilen Enerji Hesaplamaları. ADIM Fizik Günleri-IV, 52-52. (Abstract/Oral Presentation) (Publication No: 5286924)
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Editor Position

1. TESNAT 2019 Proceedings (TR DİZİN), Book, Editor, tesnat

Course

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| 261881 | MCNP ile Radyasyon Modelleme Kursu, Bu kurs kapsamında MCNP kodu ile radyasyon taşınımı anlatılmıştır., Akdeniz Üniversitesi, Course, 23.08.2017 -25.08.2017 (National) |
| 261879 | Nükleer Tıp İnternal Radyasyon Dozimetri Kursu MIRD Formalizmi ile Organ Dozu Hesaplamaları, Bu kurs kapsamında MIRD Formalizmi ile Organ Dozu hesaplamaları anlatılmıştır., Çukurova Üniversitesi, Course. 09.05.2017 -09.05.2017 (National) |

Workshop

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| 252692 | FCC Physics, Detectors and Accelerator Workshop, This workshop will address the FCC physics cases, detector concepts and accelerator design. Apart from discussing the three FCC-based (hh, ee, he) collider options, the ongoing accelerator and detector RD work in Turkey will also be reviewed during this event, in order to identify topics of common interest and to develop plans for future collaboration., Akdeniz Üniversitesi Workshop 09 09 2019 -11 09 2019 (International) |
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Conference Organization

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| 261827 | 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, We intend in this conference to discuss and compare all applicable methods as are being applied at present in nuclear physics., Amasya University, Conference Organization, 02.05.2019 - 04 05 2019 (International) |
| 261823 | 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology, We intend in this conference to discuss and compare all applicable methods as are being applied at present in nuclear physics., Akdeniz University, Conference Organization, 20.04.2018 - 22 04 2018 (International) |