

### **EK-3**

#### **ÖZGEÇMİŞ**

1. **Adı Soyadı** : Hasan ÖZDOĞAN  
 2. **Doğum Tarihi** : 15/01/1986  
 3. **Unvanı** : Doçent  
 4. **Öğrenim Durumu** : Doktora  
 5. **Çalıştığı Kurum** : Antalya Bilim Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	Fizik	Ankara Üniversitesi	2004-2010
Y. Lisans	Fizik	Süleyman Demirel Üniversitesi	2010-2012
Doktora	Fizik	Süleyman Demirel Üniversitesi	2012-2017
Doktora	Biyofizik	Akdeniz Üniversitesi	2014-

### **6. Akademik Unvanlar**

Yardımcı Doçentlik Tarihi : 31.03.2020  
 Doçentlik Tarihi : 15.04.2020

### **7. Yayınlar**

#### **7.1. Uluslararası hakemli dergilerde yayınlanan makaleler (SCI,SSCI,Arts and Humanities)**

- 1) 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 (Yayın No: 8378641)
- 2) **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 Isotopes, 199, Doi: 10.1016/j.apradiso.2023.110922 (Yayın No: 8412950)
- 3) ŞEKERCİ MERT, **ÖZDOĞAN HASAN**, KAPLAN ABDULLAH (2023). A study on the cross-section data of 43,44m,46,47Sc 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 (Yayın No: 8239897)
- 4) 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/j.radphyschem.2022.110658 (Yayın No: 8239886)
- 5) ÜNCÜ YİĞİT ALİ, **ÖZDOĞAN HASAN** (2023). Estimations for the Production Cross Sections of Medical 61, 64, 67Cu Radioisotopes by Using Bayesian Regularized Artificial Neural Networks in (p,  $\alpha$ ) Reactions. Arabian Journal for Science and Engineering, 48, Doi: 10.1007/s13369-023-07801-0 (Yayın No: 8414122)
- 6) **ÖZDOĞAN HASAN**, ÜNCÜ YİĞİT ALİ, ŞEKERCİ MERT, KAPLAN ABDULLAH (2023). Estimations for (n, $\alpha$ ) 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 (Yayın No: 8239907)

- 7) 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 (Yayın No: 8184546)
- 8) SENGÜL 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 (Yayın No: 7927371)
- 9) **ÖZDOĞAN HASAN**, ŞEKERCİ MERT, Cinoğlu KARACA Merve, OKUTAN MURAT, DEMİR BAYRAM, KAPLAN ABDULLAH (2022). An Investigation on Production Routes of  $^{230}\text{U}$  Radioisotope Used in Targeted Alpha Therapy by Different Level Density Models. Allerton Press, 77, Doi: 10.3103/S0027134922060170 (Kontrol No: 8239894)
- 10) **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/j.apradiso.2022.110454 (Yayın No: 7802081)
- 11) OFLAZ UĞUR, SARPUŃ 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/j.apradiso.2022.110286 (Yayın No: 7689996)
- 12) ŞEKERCİ MERT, **ÖZDOĞAN HASAN**, KAPLAN ABDULLAH (2022). Effects of combining some theoretical models in the cross-section calculations of some alpha-induced reactions for  $\text{natSb}$ . *Applied Radiation and Isotopes*, 186, Doi: 10.1016/j.apradiso.2022.110255 (Yayın No: 7689994)
- 13) **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/j.apradiso.2022.110162 (Yayın No: 7677557)
- 14) 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 (Yayın No: 7705247)
- 15) 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/j.apradiso.2021.109875 (Yayın No: 7136659)
- 16) DALAMAN UĞUR, **ÖZDOĞAN HASAN**, Sırcan Ahmet Kürşad, SENGÜL 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 (Yayın No: 7211219)
- 17) **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), Doi: 10.1142/S0217732321501686 (Yayın No: 7149228)
- 18) **ÖZDOĞAN HASAN**, ŞEKERCİ MERT, KAPLAN ABDULLAH (2021). Production cross-section and reaction yield calculations for  $^{123-126}\text{I}$  isotopes on  $^{123}\text{Sb}(\alpha, xn)$

reactions. Kuwait Journal of Science, 48(2), 1-11., Doi: 10.48129/kjs.v48i2.9310 (Yayın No: 7016416)

- 19) **ÖZDOĞAN HASAN** (2021). Estimation of (n,p) reaction cross sections at  $14.5 \pm 0.5$  MeV neutron energy by using artificial neural network. Applied Radiation and Isotopes, 170, Doi: 10.1016/j.apradiso.2020.109584 (Yayın No: 6900020)
- 20) **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 (Yayın No: 6844226)
- 21) **ÖZDOĞAN HASAN, SARPÜN İSMAIL HAKKI, ŞEKERCİ MERT, KAPLAN ABDULLAH** (2021). Production cross-section calculations of  $^{111}\text{In}$  via proton and alpha-induced nuclear reactions. Modern Physics Letters A, 36, Doi: 10.1142/S0217732321500516 (Yayın No: 6988072)
- 22) **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 (Yayın No: 6826073)
- 23) **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 (Yayın No: 6989240)
- 24) **ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH** (2020). An Investigation on the Effects of Some Theoretical Models in the Cross-Section Calculations of  $^{50,52,53,54}\text{Cr}(\alpha, x)$  Reactions. Physics of Atomic Nuclei, 83(6), 820-827., Doi: 10.1134/S1063778820660060 (Yayın No: 6938917)
- 25) **ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH** (2020). An Investigation on the Effects of Some Theoretical Models in the Cross-Section Calculations of  $^{50,52,53,54}\text{Cr}(\alpha, x)$  Reactions. Physics of Atomic Nuclei, 83(6), 820-827., Doi: 10.1134/S1063778820660060 (Yayın No: 6938917)
- 26) **ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH** (2020). Photo-neutron cross-section calculations of  $^{54,56}\text{Fe}$ ,  $^{90,91,92,94}\text{Zr}$ ,  $^{93}\text{Nb}$  and  $^{107}\text{Ag}$  Isotopes with newly obtained Giant Dipole Resonance parameters. APPLIED RADIATION AND ISOTOPES(165), 109356 (Yayın No: 6382060)
- 27) **ŞEKERCİ MERT, ÖZDOĞAN HASAN, KAPLAN ABDULLAH** (2020). Level density model effects on the production cross-section calculations of some medical isotopes via  $(\alpha, xn)$  reactions where  $x = 1-3$ . Modern Physics Letters A, 35(24), 2050202, Doi: 10.1142/S0217732320502028 (Yayın No: 6318882)
- 28) **KARAMAN ONUR, ÖZDOĞAN HASAN, ÜNCÜ YİĞİT ALİ, KARAMAN CEREN, Tanır Ayşe Güneş** (2020). Investigation of the effects of different composite materials on neutron contamination caused by medical LINAC. Kerntechnik, 85(5), 401-407. (Yayın No: 6472260)
- 29) **ÖZDOĞAN HASAN, ŞEKERCİ MERT, KAPLAN ABDULLAH** (2020). Photo-neutron cross-section calculations of  $^{54,56}\text{Fe}$ ,  $^{90,91,92,94}\text{Zr}$ ,  $^{93}\text{Nb}$  and  $^{107}\text{Ag}$  Isotopes with newly obtained Giant Dipole Resonance parameters. Applied Radiation and Isotopes, 109356 (Yayın No: 6382060)

- 30) 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  $^{90}\text{Y}$ ,  $^{153}\text{Sm}$ ,  $^{169}\text{Er}$ ,  $^{177}\text{Lu}$  and  $^{186}\text{Re}$  therapeutic radioisotopes via  $(n,\gamma)$  reactions. *Radiochimica Acta*, 108(1), 11-17., Doi: 10.1515/ract-2019-3123 (Yayın No: 5045088)
- 31) 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 (Yayın No: 5099486)
- 32) ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2019). S-Factor Analysis of Proton Capture Reactions on  $^{112,114,116,119}\text{Sn}$  and  $^{113,115}\text{In}$  Isotopes. *Physics of Atomic Nuclei*, 82(4), 324-329., Doi: 10.1134/S106377881904015X (Yayın No: 5192686)
- 33) ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2019). Investigation on the Different Production Routes of  $^{67}\text{Ga}$  Radioisotope by Using Different Level Density Models. *Moscow University Physics Bulletin*, 74(3), 277-281., Doi: 10.3103/S0027134919030123 (Yayın No: 5167172)
- 34) ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2019). A new developed semi-empirical formula for the  $(\alpha,p)$  reaction cross-section at  $19 \pm 1$  MeV. *MODERN PHYSICS LETTERS A*, 34(06), 1950044, Doi: 10.1142/S0217732319500445 (Yayın No: 4882734)
- 35) ÖZDOĞAN HASAN (2019). Theoretical calculations of production cross-sections for the  $^{201}\text{Pb}$ ,  $^{111}\text{In}$   $^{18}\text{F}$  and  $^{11}\text{C}$  radioisotopes at proton induced reactions. *APPLIED RADIATION AND ISOTOPES*, 143, 1-5., Doi: 10.1016/j.apradiso.2018.10.007 (Yayın No: 4422651)
- 36) 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  $^{46,50}\text{Ti}$ ,  $^{51}\text{V}$ ,  $^{58}\text{Ni}$  and  $^{63}\text{Cu}$ . *APPLIED RADIATION AND ISOTOPES*, 143, 6-10., Doi: 10.1016/j.apradiso.2018.10.011 (Yayın No: 4422686)
- 37) 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  $^{48}\text{Ti}$ ,  $^{63}\text{Cu}$  and  $^{90}\text{Zr}$ . *Applied Radiation and Isotopes*, 140, 29-34., Doi: 10.1016/j.apradiso.2018.06.013 (Yayın No: 4578116)
- 38) 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 (Yayın No: 3787222)
- 39) KAPLAN ABDULLAH,ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN (2016). Computations of  $(\alpha,xn)$  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 (Yayın No: 2856265)
- 40) 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  $^{59}\text{Co}$  for  $(\alpha,xn)$  and  $(\gamma,xn)$  Reactions. *Journal of Fusion Energy*, 34(3), 636-641., Doi: 10.1007/s10894-015-9860-4 (Yayın No: 1696442)

- 41) **ÖZDOĞAN HASAN,ÇAPALI VELİ,KAPLAN ABDULLAH** (2015). Reaction Cross Section Stopping Power and Penetrating Distance Calculations for the Structural Fusion Material 54Fe in Different Reactions. *Journal of Fusion Energy*, 34(2), 379-385., Doi: 10.1007/s10894-014-9809-z (Yayın No: 1696398)
- 42) KAPLAN ABDULLAH,SARPÜN İSMAİL HAKKI,AYDIN ABDULLAH,TEL EYYUP,ÇAPALI VELİ,**ÖZDOĞAN HASAN** (2015). ( $\gamma$ , 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 (Yayın No: 1696351)
- 43) KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,AYDIN ABDULLAH,TEL EYYUP (2014). Photo-neutron cross-section calculations of 142,143,144,145,146,150Nd rare-earth isotopes for ( $\gamma$ , n) reaction. *Physics of Atomic Nuclei*, 77(11), 1371-1377., Doi: 10.1134/S1063778814100081 (Yayın No: 1696317)
- 44) KAPLAN ABDULLAH,ÇAPALI VELİ,**ÖZDOĞAN HASAN**,AYDIN ABDULLAH,TEL EYYUP,SARPÜN İSMAİL HAKKI (2014). (3He,xn) Reaction Cross-Section Calculations for the Structural Fusion Material 181Ta in the Energy Range of 14–75 MeV. *Journal of Fusion Energy*, 33(5), 510-515., Doi: 10.1007/s10894-014-9705-6 (Yayın No: 1696273)
- 45) KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,AYDIN ABDULLAH,TEL EYYUP (2013). ( $\gamma$ ,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 (Yayın No: 5357261)
- 46) 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 (Yayın No: 1696129)
- 47) 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 (Yayın No: 1696066)

## **7.2. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler**

- 1) ÜNCÜ YİĞİT ALİ, **ÖZDOĞAN HASAN** (2021). Vascular Segmentation in X-ray Angiograms Using Frangi Filter. *INTERNATIONAL ONLINE CONFERENCES ON ENGINEERING AND NATURAL SCIENCES* (Özet Bildiri/Sözlü Sunum)(Yayın No:7223685)
- 2) 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* (Özet Bildiri/Sözlü Sunum)(Yayın No:5076688)
- 3) ŞEKERCİ MERT,**ÖZDOĞAN HASAN** (2019). Production Cross-Section Calculations of 62Cu via Charged Particles Induced Reactions. *28TH ANNUAL SYMPOSIUM HELLENIC NUCLEAR PHYSICS SOCIETY* (Özet Bildiri/Sözlü Sunum)(Yayın No:5076691)
- 4) **ÖZDOĞAN HASAN** (2019). Theoretical investigation of cross-section calculations for  $^{62}\text{Ni}(\text{p},\gamma)^{63}\text{Cu}$  and  $^{63}\text{Cu}(\gamma,\text{n})^{62}\text{Cu}$  reactions. *5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology* (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:5237978)

- 5) KAPLAN ABDULLAH,ÖZDOĞAN HASAN (2019). Neutron emission spectra of 90,94Zr at 26.8 and 45.2 MeV alpha energies. 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:5237982)
- 6) ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2019). Angular distribution of neutron emission spectra of 56Fe in alpha induced reaction. 5th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:5237968)
- 7) ŞENGÜL SEVGİ,YARAŞ NAZMİ,ÖZDOĞAN HASAN,Sırcan Ahmet Kürşad,Kurt Ahmet (2019). Mathematical Modeling and Simulations of Cardiac Action Potential. International Conference on Artificial Intelligence and Applied Mathematics in Engineering 2019 (Özet Bildiri/Sözlü Sunum)(Yayın No:5045090)
- 8) ŞENGÜL SEVGİ,Sırcan Ahmet Kürşad,Kurt Ahmet,ÖZDOĞAN HASAN,YARAŞ NAZMİ (2019). Modeling and analyzing Ca 2 channel dynamics during cardiac action potential. INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2019 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:5045097)
- 9) SARPÜN İSMAİL HAKKI,ÖZDOĞAN HASAN,KAPLAN ABDULLAH,DEMİR BAYRAM,AYDIN ABDULLAH (2019). Production Cross Section Calculations of 51Cr, 64Zn, 123I and 103Pd Radioisotopes for Deuteron Induced Reactions. 2nd Pak-Turk Conference on Emerging Technologies in the Field of Sciences and Engineering (Özet Bildiri/Sözlü Sunum)(Yayın 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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4581568)
- 11) ÖZDOĞAN HASAN,ŞEKERCİ MERT (2018). Double Differential Cross-Section Calculations for 27Al(d,xn). INTERNATIONAL CONGRESS ON THE WORLD OF TECHNOLOGY AND ADVANCED MATERIALS (Tam Metin Bildiri/Sözlü Sunum)(Yayın 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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4578046)
- 13) 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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577936)
- 14) ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2018). (n,p) reaction cross-section calculations of fission reactor control rod materials 107Ag, 111,112,113Cd, 115In. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577823)
- 15) 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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577844)

- 16) **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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577959)
- 17) **KAPLAN ABDULLAH,ŞEKERCİ MERT,ÖZDOĞAN HASAN** (2018). Neutron production cross-section calculations of  $^{111}\text{Cd}$  for  $(p,xn)$  reactions. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Tam Metin Bildiri/Sözlü Sunum)(Yayın 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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4578005)
- 19) **KAPLAN ABDULLAH,ÖZDOĞAN HASAN,ŞEKERCİ MERT** (2018). Deuteron induced reaction cross-section calculations for  $^{107,109}\text{Ag}$ ,  $^{151,153}\text{Eu}$  and  $^{160}\text{Gd}$  isotopes. 4th International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577979)
- 20) **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 (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:4577873)
- 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 (Tam Metin Bildiri/Poster)(Yayın No:5299044)
- 22) **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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624728)
- 23) **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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624726)
- 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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3787174)
- 25) **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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624713)
- 26) **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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624711)
- 27) **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 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624714)

- 28) ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2017). Investigation of neutron and gamma induced reaction effects on TiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> coated nickel used at nuclear reactors. 3rd International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2017), 91 (Özet Bildiri/Sözlü Sunum)(Yayın No:3624715)
- 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 (Özet Bildiri/Poster)(Yayın No:2937499)
- 30) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Production Cross Section of Medical <sup>177</sup>Lu Using Neutron and Proton Induced Reactions. 1St International Underground Resources and Energy Conference (Özet Bildiri/Poster)(Yayın No:2937512)
- 31) ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2016). Cross Section Calculations of (g,xn) and (p,xn) Reactions for <sup>197</sup>Au. 1St International Underground Resources and Energy Conference (Özet Bildiri/Poster)(Yayın No:2937528)
- 32) ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Reaction Cross Section Calculations of the Structural Reactor Materials 58,60,61,62,64Ni for Different Level Density Models. 1St International Underground Resources and Energy Conference (Özet Bildiri/Sözlü Sunum)(Yayın No:2937487)
- 33) 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 (TESNAT 2016) (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:2879553)
- 34) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Cross Section Computations of <sup>238</sup> <sup>242</sup>Pu Nuclei Used as Nuclear Reactor Fuel Recycle Material. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Tam Metin Bildiri/Poster)(Yayın No:2879564)
- 35) ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2016). Neutron Induced Cross Section Calculations for <sup>196</sup> <sup>198</sup> <sup>199</sup> <sup>200</sup>Hg Isotopes. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Özet Bildiri/Poster)(Yayın No:2879567)
- 36) KAPLAN ABDULLAH,ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2016). Neutron Emission Spectra for <sup>208</sup>Pb Target Nucleus. International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016) (Tam Metin Bildiri/Poster)(Yayın No:2898055)
- 37) 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) (Özet Bildiri/Sözlü Sunum)(Yayın No:1902741)
- 38) ÖZDOĞAN HASAN,KAPLAN ABDULLAH,ÇAPALI VELİ (2015). Investigation of a, d, p, n, t and <sup>3</sup>He Emission Spectra for <sup>58</sup>Ni Target Nucleus at 90 MeV Proton Incident

Energy. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (Özet Bildiri/Poster)(Yayın No:1902426)

- 39) KAPLAN ABDULLAH,ÇAPALI VELİ,**ÖZDOĞAN HASAN** (2015). Fission Cross Section Calculation for 209Bi Target Nucleus Based on Fission Reaction Models in High Energy Regions. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Özet Bildiri/Poster)(Yayın No:1902316)
- 40) ÇAPALI VELİ,**ÖZDOĞAN HASAN**,KAPLAN ABDULLAH (2015). Particle Emission Spectra Produced by Proton Induced Reactions at 90 MeV for 209Bi Target Nucleus. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Özet Bildiri/Poster)(Yayın No:1902499)
- 41) DEMİR BAYRAM,SARPÜN İSMAİL HAKKI,ÇAPALI VELİ,KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,AYDIN ABDULLAH,TEL EYYUP (2015). Theoretical Calculations of Medical 125I Radionuclide Using a,d and g Induced Reactions. International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT2015) (Özet Bildiri/Poster)(Yayın No:1903008)
- 42) ÇAPALI VELİ,**ÖZDOĞAN HASAN**,KAPLAN ABDULLAH (2014). Cross Section Calculations of (g,n) and (g,2n) Reactions for 206,207Pb Target Nuclei. 31th International Physics Congress (Özet Bildiri/Poster)(Yayın No:1901831)
- 43) KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,ÇAPALI VELİ (2014). Cross Section Calculations on 63Cu Isotope for (g,n), (g,2n), (g,p), (g,2p) Reactions. 31th International Physics Congress (Özet Bildiri/Poster)(Yayın No:1901733)
- 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 (Özet Bildiri/Poster)(Yayın No:5362284)
- 45) Altunkök Simay Özleyiş,KAPLAN ABDULLAH,Ergün Yıldız,**ÖZDOĞAN HASAN** (2011). Siklotronda Üretilen Gama yayıcı 57Co Radyoizotopu İçin Teorik Tesir Kesiti Hesaplamaları. 28th International Physics Congress (Özet Bildiri/Poster)(Yayın No:1901511)
- 46) **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 (Özet Bildiri/Poster)(Yayın No:1899664)
- 47) Ergün Yıldız,KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,Altunkök Simay Özleyiş (2011). Production Cross Sections of Medical 123I Radioisotope. 28th International Physics Congress (Özet Bildiri/Poster)(Yayın No:1901299)
- 48) KAPLAN ABDULLAH,**ÖZDOĞAN HASAN**,Ergün Yıldız ,Altunkök Simay Özleyiş (2011). Alpha Emissions in Nucleon Induced Reactions for 27Al 89Y 90Zr and 133Cs Target Nuclei. 28th International Physics Congress (Özet Bildiri/Poster)(Yayın No:1899382)

### 7.3. Ulusal hakemli dergilerde yayınlanan makaleler

- 1) 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, Doi: 10.29233/sdufeffd.998966 (Kontrol No: 7285581)

- 2) KAPLAN ABDULLAH,ŞEKERCİ MERT,ÖZDOĞAN HASAN,DEMİR BAYRAM (2020). A Study on the Calculations of Cross-Sections for  $^{66,67}\text{Ga}$  and  $^{75}\text{Se}$  Radionuclides Production Reactions via  $^3\text{He}$  Particles. Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, 21(4), 554-561., Doi: 10.18038/estubtda.761276 (Yayın No: 6710922)
- 3) 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 (Kontrol No: 7086819)
- 4) 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 (Kontrol No: 6424299)
- 5) 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. (Yayın No: 6254568)
- 6) 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 (Kontrol No: 5208219)
- 7) 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 (Kontrol No: 4531995)
- 8) ÖZDOĞAN HASAN,ŞEKERCİ MERT,KAPLAN ABDULLAH (2018). Füzyon Reaktörü Yapısal Malzemelerinde Kullanılan Bazı Elementler için Proton Girişli Reaksiyonlarda  $^3\text{He}$  Yayınlanması Spektrumlarının İncelenmesi. Süleyman Demirel Üniversitesi Fen Edebiyat Fakültesi Fen Dergisi, 13(1), 12-18., Doi: 10.29233/sdufeffd.382647 (Kontrol No: 4292690)
- 9) ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Reaction Cross Section Calculations for the Structural Reactor Materials  $^{58,60,61,62,64}\text{Ni}$  with Different Level Density Models. Cumhuriyet Science Journal, 37 (Kontrol No: 2937614)
- 10) ÖZDOĞAN HASAN,ŞEKERCİ MERT,ÇAPALI VELİ,KAPLAN ABDULLAH (2016). Cross Section Calculations of  $(g,xn)$  and  $(p,xn)$  Reactions for  $^{197}\text{Au}$ . Cumhuriyet Science Journal, 37 (Kontrol No: 2937617)
- 11) KAPLAN ABDULLAH,ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN (2016). Effects of Mean Free Path Parameters for Reaction Cross Section Calculations. Cumhuriyet Science Journal, 37 (Kontrol No: 2937584)
- 12) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). Production Cross Section Calculations of Medical  $^{177}\text{Lu}$  Using Neutron and Proton Induced Reactions. Cumhuriyet Science Journal, 37 (Kontrol No: 2937601)
- 13) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). LiH Reaktör Moderator Malzemesi İçin Hadronik Etkileşimlerin Geant4 Benzetimi. SDU Journal of Science, 11(2), 82-88. (Kontrol No: 2935072)

- 14) 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/sdufbed.64229 (Kontrol No: 3020291)
- 15) 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. (Kontrol No: 1703501)
- 16) 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. (Kontrol No: 1717570)
- 17) 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. (Kontrol No: 1696675)

#### **7.4. Ulusal bilimsel toplantılar sunulan ve bildiri kitabı basılan bildiriler**

- 1) OFLAZ UĞUR, SARPÜN İSMAİL HAKKI, ÖZDOĞAN HASAN (2021). Medikal Lineer Hızlandırıcı Kafasında Yer Alan Düzleştirici Filtredeki Elementlerin Foto-Nötron Tesir Kesitinin İncelenmesi. 18. Ulusal Medikal Fizik Kongresi, 106-106. (Özet Bildiri/Poster)(Yayın No:7296598)
- 2) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2016). LiH Reaktör Moderator Malzemesi İçin Hadronik Etkileşimlerin Geant4 Benzetimi. ADIM Fizik Günleri-V (Özet Bildiri/Poster)(Yayın No:2879544)
- 3) ÇAPALI VELİ,ŞEKERCİ MERT,ÖZDOĞAN HASAN,DEMİR BAYRAM,KAPLAN ABDULLAH (2016). Akciğer Tümörü İçin Foton Ve Proton İşin Tedavilerinin Geant4 Monte Carlo Yöntemiyle Karşılaştırmalı Benzetimi. ADIM Fizik Günleri-V (Özet Bildiri/Sözlü Sunum)(Yayın No:2879541)
- 4) SAVAŞ KAMIL,ÖZDOĞAN HASAN,YARAŞ NAZMİ (2015). Frekans Alanındaki İletim Hızı Dağılımı Tahmini Metodunun Soğuk Uygulaması ile Test Edilmesi. 27. ULUSAL BİYOFİZİK KONGRESİ (Özet Bildiri/Poster)(Yayın No:5290422)
- 5) ŞEKERCİ MERT,ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2015). Nükleer Reaktörlerde Moderator Malzeme Olarak Kullanılan Doğal Karbon Çekirdeği İçin Tesir Kesiti Hesaplamaları. ADIM Fizik Günleri-IV (Özet Bildiri/Poster)(Yayın No:1904988)
- 6) 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. (Özet Bildiri/Sözlü Sunum)(Yayın No:5286924)
- 7) KAPLAN ABDULLAH,ÇAPALI VELİ,ÖZDOĞAN HASAN,ŞEKERCİ MERT (2015). Zırhlama Malzemesi Olarak Kullanılan Ağır Beton Duvarların Radyasyon Geçirgenliği Geant4 Yazılımı İle İncelenmesi. ADIM Fizik Günleri-IV, (Özet Bildiri/Poster)(Yayın No:1904875)
- 8) KAPLAN ABDULLAH,ÇAPALI VELİ,ÖZDOĞAN HASAN (2014). a ,d, p and t Emission Spectra for 208Pb Target Nucleus at 96 MeV Neutron Incident Energy. VII. International Workshop on Nuclear Structure Properties (Özet Bildiri/Poster)(Yayın No:1902071)

- 9) ÇAPALI VELİ,ÖZDOĞAN HASAN,KAPLAN ABDULLAH (2014). Neutron Emission Spectra of 83Bi Target Nucleus for (n,xn) Reaction at 7.75 , 14.1, 14.2 and 20 MeV Neutron Incident Energies. VII. International Workshop on Nuclear Structure Properties (Özet Bildiri/Poster)(Yayın No:1901990)
- 10) doğan süleyman sedat,ÖZDOĞAN HASAN,ÇAPALI VELİ,KAPLAN ABDULLAH (2014). Eriyik Tuz Reaktörlerinde Yakıt Malzemesi Olarak Kullanılan Na Çekirdeğinin Üretim Tesir Kesiti Hesaplamlar. ADIM Fizik Günleri-III (Özet Bildiri/Poster)(Yayın No:1904402)
- 11) 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 Hesaplamları. ADIM Fizik Günleri-III (Özet Bildiri/Poster)(Yayın No:1904278)
- 12) ÖZDOĞAN HASAN,ÇAPALI VELİ,Doğan Süleyman Sedat,KAPLAN ABDULLAH (2014). Foton Girişli Reaksiyonlarda Bazı Nd İzotoplarının Tesir Kesiti Hesaplamları ADIM Fizik Günleri III. ADIM Fizik Günleri-III (Özet Bildiri/Poster)(Yayın No:1904657)
- 13) ÖZDOĞAN HASAN,KAPLAN ABDULLAH,Ergün Yıldız (2012). Cross Section Calculations in Nucleon Induced Reactions for 197Au ADIM Fizik Günleri II. ADIM Fizik Günleri-II (Özet Bildiri/Poster)(Yayın No:1903470)
- 14) ÖZDOĞAN HASAN,KAPLAN ABDULLAH,Ergün Yıldız (2012). Pre equilibrium and Equilibrium Emission in Nucleon Induced Reactions for Some Fusion Structural Materials. ADIM Fizik Günleri-II (Özet Bildiri/Poster)(Yayın No:1903200)
- 15) KAPLAN ABDULLAH,Ergün Yıldız,ÖZDOĞAN HASAN (2012). 15 MeV lik Siklotronda Üretilen Bazı Tibbi Radyoizotopların Nötron Yayınlanması Spektrumlarının İncelenmesi. ADIM Fizik Günleri-II, (Özet Bildiri/Poster)(Yayın No:1903642)

## 8. Projeler

- 1) Te-125 Çekirdeğinden Proton Gelişli Reaksiyonlar ile Radyoaktif I-123,124,125 Çekirdeklerinin Üretim Parametrelerinin Belirlenmesi, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı:ÖZDOĞAN HASAN,Yürüttü:ŞARPÜN İSMAİL HAKKI, , 22/04/2019-22/04/2020(ULUSAL)
- 2) Matematiksel Modelleme Ve Dinamik-Kenetleme Yöntemleri Ile Ventrikül Kardiyomiyosit Aksiyon Potansiyeli Dinamiklerinin İncelenmesi, -Tübitak 3501, Yürüttü:SEVGÜL SEVGİ,Bursiyer:ÖZDOĞAN HASAN,Bursiyer:Sırcan Ahmet Kürşad,Araştırmacı:YARAŞ NAZMİ, , 01/10/2017 - 01/12/2019 (ULUSAL)
- 3) Servikal Neoplazilerin Tespitinde Telesentrik Hiperspektral Görüntüleme, -Tübitak 1001, Yürüttü:CANPOLAT MURAT,Araştırmacı:ŞİMŞEK TAYUP,Bursiyer:ÖZDOĞAN HASAN,Bursiyer:USLU SERKAN,Bursiyer:Nüzket Tunca,Araştırmacı:Ayık Aydın Hülya, , 01/04/2017 - 01/01/2020 (ULUSAL)

## 9. İdari Görevler

- 1) Antalya Bilim Üniversitesi Sağlık Hizmetleri Meslek Yüksekokulu Müdür Yardımcılığı
- 2) Antalya Bilim Üniversitesi Sağlık Hizmetleri Meslek Yüksekokulu Tıbbi Hizmetler ve Teknikler Bölüm Başkanlığı

## **10. Bilimsel ve Mesleki Kuruluşlara Üyelikler**

- 1) Türk Biyofizik Derneği

## **11. Ödüller**

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

## **12. Son İki Yılda Verilen Dersler**

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2021-2022	Güz	Genel Fizik	3	-	90
		Temel Fizik	3	-	60
	Bahar	Radyolojik Görüntüleme Fiziği	3	-	60
		Temel Bilgi Teknolojileri	2	-	170
2022-2023	Güz	Genel Fizik	3	-	90
		Temel Fizik	3	-	60
		Fizik	2	-	70
	Bahar	Radyolojik Görüntüleme Fiziği	3	-	60
		Temel Bilgi Teknolojileri	2	-	170
		Biyofizik	2	-	21
		Radyolojik Görüntüleme Yöntemleri IV	8	-	60