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B.SC in Physics from University of Kufa Collage Science Department of Physics (2003), M.SC in Nuclear Physics from University of Babylon Collage Science Department of Physics (2006), PhD in Nuclear Physics and Environmental from Baghdad Collage Science Department of Physics (2013). Worked in University of Kufa Collage Science Department of Physics from (2006) up to now.

Research Interests:

- **Study nuclear structure for middle and heavy nucleus by IBM model.**
- **Study gamma ray buildup factor in different materials as single and multilayer shielding.**
- **Study effective of irradiation by nuclear radiation on hardness of allowed.**
- **Study natural radiation (U^{238} , Th^{232} , U^{235} and K^{40}) in different materials such as (water, soil, building materials and food) using Gamma spectroscopy.**
- **Study of environmental radiation by Radon and decays in different materials such as (water, air, soil, building materials and food) using RAD-7 and Track detectors.**

Teaching Interests:

- **Nuclear Physics.**
- **Healthy Physics.**
- **Modern Physics.**
- **Computer and Programs.**

Research:

1. Ali A.Al-Hamidawi, " Determining the concentrations of radon and the rate of annual effective dose in some types of drinking water available in the Iraqi markets", Iraq Journal of Physics, Vol.11, No.20, P.75-80, (2013).
2. Ali A.Al-Hamidawi , Qassim S. Jabar, Asia H. Al.Mashhadani and Abdulhussan A. Al.Bayati, "Measurement of Radon and Thoron Concentrations Soil- Gas in Al-Kufa City using RAD-7 Detector", Iraq Journal of Physics, Vol.10, No.19, P.110-116, (2012).
3. Ali A.Al-Hamadwi, Abdulhussan,A.Al.Bayati, Asia H.Al.Mashhadani,"Radon and Thoron Concentration measurement of Ground Water in Kufa City by using RAD7 detector", Journal of Kufa- Physics, Vol.4, No.2, P.44-49, (2012).
4. Ali A.Al-Hamadwi, Ibtisam J.Fatlawi, Faeq A. Al-Tememe, Suha H. kadhem, "Calculation of the Energy levels, the Square of rotational energy and The moment of inertia of $Yb^{170-176}$ Isotopes by the Interacting Boson Model-1", Journal of Kufa- Physics, Vol.4, No.1, P.31-36, (2012).
5. Ali A.Al-Hamadwi, Faeq A. Al-Tememe, " The Nuclear Structure of ^{182}W Isotope ", Journal of Kufa- Physics, Vol.3, No.2, P.44-52, (2011).
6. N.A.Askouri , Ali A.Al-Hamadwi, Talib A. Al-Rutha, " Effect of Ratio of Cobalt Concentration on the Hardness for (WC-Co) Alloys when Irradiated by Electrons ", Journal of Kufa- Physics, Vol.1, No.1, (2009).
7. Ali A.Al-Hamadwi, Saleem H. Traer , " The effect of the hole diameter of the collimation and atomic number of the shield on the Gamma Ray Buildup Factor for Water Double Layer Absorber ", Journal of Al-Qadisiyah for pure science, Vol.13, No.4, P.1-14, (2008).
8. Hussain H. Al-Gezaly, Haydar H. Hussain, Ali A. Al-Hamadwi, " Study of energy levels, quadruple electric transition probabilities and potential energy surface for Ru^{102} Isotopes in U(5) dynamical symmetry ", Journal of Al-Qadisiyah for pure science, Vol.13, No.2, P.162-167, (2008).
9. Ali A.Al-Hamadwi, Saleem H. Traer, " Studying some of the nuclear properties for ^{170}Er Isotope by the Interacting Boson Model-1 ", Journal of Babylon University, Vol.15, No.1, P.184-192, (2008).
10. N.A.Askouri , Ali A.Al-Hamadwi, Haydar H. Hussain, Hussam M.Hwil, " Effect of Irradiation Time by Electrons on the Hardness for (Tungsten Carbide – 6% Cobalt) Alloys ", Journal of Kerbala University, Vol.6, No.3, P.179-185 (2008).
11. Ali A. Al-Hamadwi, " The Nuclear Structure of ^{182}OS Isotope by IBM-1 model ", Journal of Al-Qadisiyah for pure science, Vol.12, No.2, P.181-189, (2007).
12. Ali A.Al-Hamidawi, " Determining the concentrations of radon and the rate of annual effective dose in some types of drinking water available in the Iraqi markets", Iraq Journal of Physics, Vol.11, No.20, P.75-80, (2013).
13. Ali A. Abojassim, "Radon Concentrations Measurement for Drinking Water in Kufa City /Iraq Using Active Detecting Method" , Advances in Physics Theories and Applications, Vol.26, P.30-35,(2013).

14. Talib A. Abdulwahid, Imad K. Alsaberi, Ali A. Abojassim, B.A. Almayahi, " The enhancement of prostate cancer treatment using gold nanoparticles and high energy photons", *Advances in Physics Theories and Applications*, Vol.25, P.76-81,(2013).
15. Ali A. Al-Hamidawi, Hussain H. Al-Gazaly and Lubna A. Al-Alasadi, " Determination of natural radiation contamination for some types of legumes available in the Iraqi markets", *Advances in Applied Science Research*, Vol.4, No.5, P.245-250 , (2013).
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18. Ali A. Abojassim, Mohammed H. Al-Taweel and Talib A. Abdulwahid, "Evaluation of Natural Radioactivity Levels for Local and Import of Cement in Iraq"*International Journal of Scientific & Engineering Research*, Vol. 5, No. 2, P. 218-222, (2014).
19. Ali Abid Abojassim, Husain Hamad Al-Gazaly, Suha Hade Kadhim, " ^{238}U , ^{232}Th and ^{40}K in wheat flour samples of Iraq markets" *Ukrainian Food Journal*. Vol.3 , No.3, P. 333-340, (2014).
20. Ali Abid Abojassim Alhameedawi , Hussein H. Al.Ghazali , Dalal Naji, Anmar A. Al Thwaini, " Study of radioactivity levels in detergent powders samples by gamma spectroscopy", *Journal of Radiation Research and Applied Sciences (ELSEVIER)*, Vol. 7, P.532-535, (2014).
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