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Education

2017	Doctor of Philosophy , Nuclear and Radiation Physics, University of Jordan, Amman, Jordan <ul style="list-style-type: none">• Thesis title: Development of an applicable algorithm for brachytherapy dose calculation in heterogeneous media. Supervisor: Prof. Saed dababneh, Co-supervisor: Prof. Jamal Sharaf <ul style="list-style-type: none">• Academic honors or distinctions: 1st-placed student of the 2012 Ph.D. Physics Programme with GPA 3.67 out of 4
2009	Master of Science , Nuclear Physics, Al-Balqa Applied University, Salt, Jordan <ul style="list-style-type: none">• Thesis title and supervisors: Evaluation of scatter dose distribution for Ir-192 source in Brachytherapy using Monte Carlo simulation. Supervisor: Prof. Saed dababneh, Co-supervisor: Prof. Sharif Qatarneh <ul style="list-style-type: none">• Academic honors or distinctions: 1st-placed student of the 2006 M.Sc. Physics Programme with GPA 3.81 out of 4
2006	Bachelor of Science , Physics, Yarmouk University, Irbid, Jordan <ul style="list-style-type: none">• Academic honors or distinctions: GPA of 78.8 (Very good), the sixth rank upon all over the Jordanian Physics students in the physics certificate exam.

Teaching Experience

2010-2017	Lecturer (Master Degree) , Al-Balqa Applied University, Salt, Jordan
2017-2020	Lecturer (PhD Degree) , Al-Balqa Applied University, Salt, Jordan
2020	Assistant Professor , Al-Balqa Applied University, Salt, Jordan

Awards and Special Achievements:

2018	Certificate of excellence for young researchers: the third place at 14 th Arab Conference on the Peaceful Uses of Atomic Energy Sharm El-Sheikh, Arab Republic of Egypt, 16-20 December, 2018.
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Recent Publications

1	E. Ababneh, S. Al-Amarat, S. Dababneh, S. Okoor, M. M.A. Imran. BALQARAD Geant4 Model: Enhancement in γ -ray Spectroscopy and Validation, Submitted to The Jordan Journal of Physics (JJP) on Oct, 2020.
2	S. Al-Bashish, E. Ababneh, M.S. Mousa, S. Okoor, M. Hyasat, M. Nusir , A. Qbelat, S. Dababneh. Coincidence/Anti-Coincidence techniques by BALQARAD active shielded clover. Submitted to Radiation Detection Technology and Methods on Dec, 2020.
3	Sondos A K Okoor, Khalid M Abumurad, Eshraq M Ababneh, Manal Jamal Abdallah, Ala'a A Tawalbeh. (2019). "NATURAL RADIOACTIVITY CONCENTRATIONS AND DOSE ASSESSMENT IN SELECTED MEDICINAL PLANTS CONSUMED IN JORDAN", FRESEN. ENVIRON. BULL. 28, 5179-5187.
4	E. Ababneh, S. Dababneh, A. Younis, R. Reifarth, N. Patronis, M. Ginsz. (2018). "BALQARAD: Towards improved sensitivity in γ -ray spectroscopy", 14 th Arab Conference on the Peaceful Uses of Atomic Energy Sharm El-Sheikh, Arab Republic of Egypt, 16-20 December, 2018.
5	Eshraq Ababneh, Saed Dababneh, ShadaWadi-Ramahi and Jamal Sharaf. (2018). "Physics Element of an algorithm for brachytherapy dose calculation in homogeneous media for ^{192}Ir source", Radiat. Phys. Chem.149, 90–103.
6	Eshraq Ababneh, Saed Dababneh, Sharif Qatarneh and ShadaWadi-Ramahi. (2014). "Enhancement and validation of Geant4 Brachytherapy application on Clinical HDR Ir-192 source", Radiat. Phys. Chem.103, 57–66.

Conferences/ Workshops/ Seminars:

2018	"BALQARAD: Towards improved sensitivity in γ -ray spectroscopy", 14 th Arab Conference on the Peaceful Uses of Atomic Energy Sharm El-Sheikh, Arab Republic of Egypt.
2018	Participating in the regional training course on initiation of postgraduate medical physics academic programs. Kuala Lumpur, Malaysia.
2017	Technical visiting Mirion Technologies Factory (Canberra) SAS, 1 Chemin de la Roseaie, 67382 Lingolsheim, France.
2009	"Using Geant4 toolkit in Brachytherapy application". The Second International Symposium on Nuclear Energy ISNE-09, Jordan-Amman.



Supervised Doctoral & Master Theses:

<i>Dec,2020</i>	Master Mohammad Sulieman, Study of efficiency correction factors for the BALQARAD composite clover system, Jordan University
<i>Dec, 2020</i>	Nizar Mubayed, A COMPREHENSIVE SELF-INDUCED AND AMBIENT BACKGROUND STUDY OF THE BALQARAD PROJECT, Jordan University
<i>March, 2020</i>	Safaa Marei, Sensitivity enhancement of multidimensional gamma-ray spectrometry of neutron activated samples, Al Balqa Applied University
<i>April, 2020</i>	Ghadeer Elfawair, Coincidence detection efficiency of the BALQARAD system at Al-Balqa Applied University. Al Balqa Applied University.

Research Grants

<i>2014-2020</i>	Improvement and Adaptation of Ultra-Sensitive Coincidence Gamma-Ray Detection Array for Environmental, Energy, Security, Water- and Food-Safety Applications, Scientific Research Support Fund, 550,000 JD
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