



Ibrahim Naji Ghabar

Email: ighabar@zu.edu.jo

Physics/Theoretical nuclear physics

Academic Rank: Assistant Professor

Membership:

Qualifications:

1	PhD\ Nuclear Physics 2014
2	M.Sc \ Polymer Physics 1996
3	B.Sc \Physics

Professional Objective(s):

Teaching Experience:

#	From	to	
1	2017	Now	Assistant professor at Zarqa University.
2	2015	2015	Assistant professor at German Jordanian University to teach Physics II .
3	2005	2017	Teacher in a high school at private schools .
4	1993	2005	Teacher in a high school, Ministry of Education-Jordan.
5	1990	1990	Teacher at al Zarqa Collage

**Publications:**

#	Article Title	Publisher	Year/Issue (Vol/No)
.1	Velocity-dependent optical potential for neutron elastic scattering from 1 <i>p</i> -shell nuclei.	PHYSICAL REVIEW C 91 , 064308 (2015).	2015, Volume C 91 064308
.2	Nucleon-nucleus velocity-dependent optical model: revisited	Journal of Physics G: Nuclear and Particle Physics	2022 Volume 49, Number 1
.3	Velocity dependent potential for alpha 40Ca-elastic scattering	Results in Physics	2023 Volume 47, 106335
.4	Using Laplace Residual Power Series Method in Solving Coupled Fractional Neutron Diffusion Equations with Delayed Neutrons System	fractal and fractional	2023 Volume 7, 219
.5	Preparation and optoelectronic performance of 2,7,12,17-tetra-tert-butyl-5,10,15,20-tetraaza-21H,23H-porphine-CuS films for photovoltaic applications	Dyes and Pigments	2023 Volume 218, 111452
.6	A solution for the neutron diffusion equation in the spherical and hemispherical reactors using the residual power series	Frontiers in physics	2023,
.7			
.8			

Books:

#	Book Title	Publisher	Year
.1	G12 Physics Student and Work book	National Center for Curriculum Development	2022
.2			
.3			
.4			
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Translated Books:

#	Book Title	Publisher	Year
.1			
.2			
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Articles:

#	Article Title	Publisher	Year
.9			
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.12			
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Personal Information



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