Email: mshqair@zu.edu.jo

Academic Rank: Associate Professor

Membership:

1	college of science Council

Qualifications:

1	Degree of Doctor in Theoretical Nuclear Physics	
	The Specialization	Theoretical Nuclear Physics
	Date of Obtaining Degree	2013
	Source of the Degree	The University of Jordan
	The Rating	V. Good
2	Degree of Master in Physics	
	The Specialization	Physics
	Date of Obtaining Degree	2004
	Source of the Degree	The University of Jordan
	The Rating	V. Good
3	Degree of the Bachelor of Science (Physics)	
	The Specialization	Physics
	Date of Obtaining Degree	1998
	Source of the Degree	Mutah
	The Rating	Good

Teaching Experience:

1	Associate Professor	Service courses unit, College of Science, Zarqa University	Starting from 2022 up to now

2	Associate Professor	Department of Physics, College of Science and Humanitarian Studies in Alkharj, Prince Sattam Bin Abdul Aziz University, Kingdom of Saudi Arabia.	Starting from 2021 to 2022
3	Assistant Professor	Department of Physics, College of Science and Humanitarian Studies in Alkharj, Prince Sattam Bin Abdul Aziz University, Kingdom of Saudi Arabia.	Starting from 2013 to 2021
4	Lecturer	High Institute for Comprehensive Work (2004-2008) Al- Bayda -Libya	Starting from 2004 to 2008
5	Teacher	Ministry of education	Starting from1998 to 2004 Starting from 2008 to 2013

Publications:

	Title	Journal	Year
1.	A new approach for the evaluation of the effective electrode spacing in spherical ion chambers	Nuclear Instruments and Methods in Physics Research	2013
2.	Stabilization of heavy oil fly ash (HFO) for construction and environmental purposes	International Journal of Applied Engineering Research	2017
3.	Production of Heavy Fuel Oil Fly Ash (HFO)-based Geopolymers for Passive Cooling Systems	International Journal of Applied Engineering Research	2018
4.	Solution of different geometries reflected reactors neutron diffusion equation using the	Results in Physics	2019

	homotopy perturbation method		
5.	**Developing a new approaching technique of homotopy perturbation method to solve two-group reflected cylindrical reactor**	**Results in Physics**	**2019**
6.	**Analytical Solution for Multi-Energy Groups of Neutron Diffusion Equations by a Residual Power Series Method**	**Mathematics**	**2019**
7.	**Addendum: Analytical Solution for Multi-Energy Groups of Neutron Diffusion Equations by a Residual Power Series Method**	**Mathematics**	**2019**
8.	**Cylindrically Symmetric Fractional Helmholtz Equation**	**Applied Mathematics E – Notes**	**2019**
9.	**Adaptation of Conformable Residual Power Series Scheme in Solving Nonlinear Fractional Quantum Mechanics Problems**	**Applied science**	**2020**
10.	**Abundant Exact Travelling Wave Solutions for a Fractional Massive Thirring Model Using Extended Jacobi Elliptic Function Method**	**Fractal Fract**	**2022**
11.	**Solving Multi-Group Reflected Spherical Reactor System of Equations Using the Homotopy Perturbation Method**	**Mathematics**	**2022**

Personal Information

Name	**:**	**Mohamed Abdurrahman Hasan Shqair**
Place and Date of Birth	**:**	**12/3/1976** **Zarqa- Jordan**
Nationality	**:**	**Jordanian**
Marital Status	**:**	**Married**
Address	**:**	**Zarqa- Jordan** **0795719840**
Work Tel No.	**:**	
Postal Address	**:**	**mshqair@zu.edu.jo**