



**Riad S. Masharfe**

Email: rmasharfe@zu.edu.jo

Theoretical Physics/ Mathematical Random matrix models

**Academic Rank: Assistant Professor**

**Membership:**

1-	Nederlandse Natuurkundige Vereniging
2-	The Jordanian physical society

**Qualifications:**

2013	PhD of philosophy in physics, theoretical physics, random matrix theory, university of Jordan
2001	M.Sc. master of science in physics, theoretical physics, condensed matter theory university of Jordan
1999	Diploma in educational methods /UNESCO
1995	B.Sc in physics Yarmouk university

**Professional Objective(s):**

I am a dedicated person who wants to use his skills and education to help students achieve using both traditional and modern approaches in physics

**Teaching Experience:**

#	From	to	
.1	14/9/2017	2021	Chief of physics department/ quality assurance representative of faculty of science
.2	14/9/2023	present	Chief of physics department/ quality assurance representative of faculty of science
.3	9/2013	present	Assistant Professor, Zarqa university, department of physics
.4	4/2013	9/2013	Lecturer at Faculty of Educational Sciences and Arts. Naour university (part time)
.5	2009	2011	Labs instructor at the university of Jordan, physics department



## Publications:

#	Title	Publisher	Year/ Issue (Vol/No)
1.	Temperature Dependent Thermal Properties of $^{40}\text{Ca}$ Nucleus	TIMELINE PUBLICATION PVT. LTD	(2016): 4.1 37-41.
2.	On the renormalization group equation of the generalized Penner model	Reports on Progress in Physics - IOPscience	submitted
3.	On the generalized convolutions of Bernoulli numbers and polynomials	Journal of Applied mathematics	Accepted
4.	Bose Einstein condensation in the Fds	Work in progress	
5.	Thickness film effect on charge transport in nanostructure indeno [1, 2-b] fluorene-6, 12 dione	Synthetic metals	Volume 276 Pages 116762 Publisher Elsevier
6.	Nanostructure film of Ch-diisoQ/Si for the enhancement of photoelectrical performance of organic/inorganic cells	Physica B: Condensed Matter	Pages 413172 Publisher North-Holland
7.	Investigation of electronic, optical and thermoelectric properties of perovskite $\text{BaTMO}_3$ (TM= Zr, Hf): First principles calculations	Journal of Alloys and Compounds	Volume 887 Pages 161361 Publisher Elsevier
8.	Characterization of structural, dynamic, optoelectronic, thermodynamic, mechanical and thermoelectric properties of $\text{AMgF}_3$ (A= K or Ag) fluoro-perovskites compounds	Physica scripta	Vol. 98/3 Publisher Elsevier

## Conferences:

#	Paper Title	Organizing Institution	Conference
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.1	Poster :orthogonal symplectic penner model	Department of Mathematics, University of Patras, Greece	2014 International Conference on Topology and its Applications, July 3-7, 2014, Nafpaktos, Greece
.2	workshop	ctaps center of theoretical and applied physics Yarmouk University in Irbid 2009.	Computational Physics Using WIEN2K Package, - Jordan, August
.3	Workshop	German-Jordanian University	Using The Physics Comprehensive System (PASCO), , February 7 – 11, 2010.
.4	Attending sessions	Zarqa university	The Arab International conference on mathematics and computations

## Personal Information

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