

CURRICULUM VITAE

MUHAMMAD JAVED

Ph. D (Quantum Information & Quantum Metrology)

HEC Approved supervisor

Lecturer

Department of Physics

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OBJECTIVE

To achieve a position of trust and responsibility within the organization, grow with the organization and to be associated with a challenging position where my academic and professional qualification can be best utilized. Willing to work long hours with organizations for professional growth in the field of research, management and teaching and to apply my professional, academic knowledge & skills for meeting challenges regarding growth and development of the organizations and society.

PERSONAL INFORMATION

FATHER NAME : **Muhammad Shereen**

Nationality : Pakistani

Permanent Address : Village Kaloshah P.O Baizo kharki via sakhakot tehsil
Takht Bhai District Mardan, K.P.K. Pakistan.

Postal Address : Village Kaloshah P.O Baizo kharki via sakhakot tehsil
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N.I.D No : 16102-2268719-1

Marital Status : Single.

EDUCATION:

<i>Certificate/Degree</i>	<i>Institution</i>	<i>Grade/Division</i>
<i>SSC</i>	<i>BISE Peshawar</i>	<i>A/1st Div</i>
<i>HSSC</i>	<i>BISE Swat</i>	<i>A/1st Div</i>
<i>B.Sc</i>	<i>University of Peshawar</i>	<i>A/1st Div</i>
<i>M.Sc</i>	<i>University of Peshawar</i>	<i>A/1st Div</i>
<i>Ph.D</i>	<i>University of Malakand</i>	<i>CGPA 3.6</i>

COURSES STUDIED

Solid State physics

Quantum Mechanics at applied level & Advanced level

Nuclear Physics

Thermodynamics & Statistical Mechanics

Electronics

Electromagnetic theory

Classical mechanics having fluid mechanics

Mathematical methods of physics.

COURSES TAUGHT

Advanced Quantum Mechanics

Introduction to Quantum Computing

Introduction to Quantum Mechanics-I

Introduction to Quantum Mechanics-II

Classical mechanics and fluid mechanics

Modern Physics & Nuclear Physics

Thermodynamics & statistical Mechanics

Electromagnetic theory

RESEARCH EXPERIENCE

M.Sc Thesis: I conducted research thesis on topic of “**Radiation Protection in radiotherapy**” in which I have carried out experimentally different technique to find out the way of radiation effects on human body cells and to protect it from radiation during process of cancer radiotherapy. This research made it possible to have experience in biosciences (Biophysics).

PUBLICATIONS

1. The Dynamics of quantum correlations in mixed classical environments, Journal of Russian Laser Research, November 2016, Volume 37, issue 6, pp 562-571.
2. Precise position measurements of an atom using superpositions of two standing wave fields, Laser Physics, 27(4), 045202, 2017.
3. Goos-Hänchen shift from cold and hot atomic media using Kerr Nonlinearity, Journal of Russian Laser Research, April 2017.
4. Characterization of classical static noise via qubit as probe, Quantum Information processing, March 2018.
5. Quantum speed limit time of a spin qubit in the noninteracting spin bath, M Musadiq, S Khan, M Javed, M Shamirzaie, International Journal of Quantum Information, Vol. 17, No. 07, 1950054 .
6. Dynamics and protection of quantum correlations in a qubit–qutrit system subjected locally to a classical random field and colored noise LCF L. T. Kenfack, M. Tchoffo, M. Javed, Quantum Information Processing 19 (4), 26 (2020).
7. Qutrit as a probe for characterization of Random telegraphic noise [Physics Open Volume 5](#), December 2020, 100048.

I supervised students of BS (Mathematics), BS(physics) and M.Sc. (physics).

DISTINCTION

I received the 2nd Position in M.Sc. at Department of Physics University of Peshawar in session 2004-05.

TEACHING EXPERIENCE

1. *Lecturer in Physics from August 2005 to 2006 in “The Islamic Institute of Modern studies”.*
2. *Lecturer in physics from August 2006 to August 2007 in Qurtaba School & College.*
3. *Lecturer in Physics from 1st September 2007 till date in University of Malakand.*

CO-CURRICULAR EXPERIENCE

1. *Staff proctor Department of Physics University of Malakand.*
2. *Member, Purchase Committee, Staff Hostel University Of Malakand.*
3. *Member, Purchase Committee, Department Of Physics , University Of Malakand*
4. *Co-organizer Sports Society University of Malakand.*
5. *Co-organizer creative and Art Society University of Malakand.*
6. *Member, Board of studies, Department of Physics, University of Malakand .*
7. *Organizer ,Malakand Physics Society, University of Malakand.*
8. *Member, Board of Faculty of Sciences, University of Malakand .*
9. *Coordinator, Department of Physics, University of Malakand since April,2018 .*
10. *Member, Graduate studies committee, Department of Physics.*

WORKSHOP & SCHOOL ATTENDED

1. *Three days Awareness and training workshop on “**SELF ASSESSMENT PROCEDURES**”.*
2. *Two days training workshop on “**QUALITY CRITERIA**” held at University of Malakand.*
3. *Four days international workshop on “**MATERIALS MODELING AND SIMULATIONS 2011(IWMMS 2011)**” .*
4. *International school on Quantum Information, Habib University, Karachi, Pakistan.*
5. **Information, Black Holes and Quantum Theory: Theoretical physics at the crossroads**
March 26 – 30, 2018

WORKSHOP & SCHOOL ORGANIZED

1. **Secretary** of 1st National conference on advances in physics, *Department of Physics, University of Malakand held on 06-07 November,2017.*

COMPUTER SKILLS

Mathematica, Matlab, Maple, MS Windows, MS Word, C Language, Internet.

REFERENCES

1. Prof.Dr Arif Ullah
Department Of Physics
University of Malakand
2. Prof Dr Salman khan
Department of Physics
CIIT, Islamabad

