

School of Materials Science
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H. M. Noor ul Huda khan Asghar

Objective

Making it to the top through professional competence and hard work in growing dynamic and reputable organization, where my knowledge, skill and experience of Physics and spintronics physics can be applied to the potential.

Experience

2003- 2005 Lecturer in Physics (BPS-17) At National College Bahawalpur

Teaching Physics F.Sc Level
Teaching Physics B.Sc Level
Member Admission Committee
Member Discipline Committee.

2005-2009 Lecturer in Physics (BPS-17) Federal Government College Bahawalpur

Teaching Physics F.Sc Level
Head of the department of physics
Incharge of Qiraat & Naat Committee
Incharge of Security Committee
Incharge of Canteen Committee
Incharge of Physics Lab
Member Admission Committee
Member Discipline Committee
Member of Result & improvement Committee
Member of Science Purchase Committee
Member of electricity Committee
Member of Teacher & Parents Meeting Committee

2009-19-10-2010 **Lecturer in Physics (BPS-18) Department Of physics (BUTTEMS), Takatu Campus, and Baleli Road, Quetta, Pakistan.**

Teaching Statistical Physics To M.S/M.Phil Physics

Teaching Materials Sciences To M.S/M.Phil Physics

Teaching Environmental & atmospheric Physics To M.S/M.Phil Physics

Teaching Applied Physics To BS Computer Science

Teaching Applied Physics To International Students of engineering & information Technology Students of B.S Level

Teaching Electromagnetic Wave Theory To B.S Telecom Engineering

Teaching Mechanics To B.S Physics

Teaching Electricity & magnetism To B.S Physics

Teaching Electronics & Modern Physics To B.S Physics

Teaching Applied Physics To P & G Engineering Students of BE

20-10-2010 to Date **Assistant Professor of Physics (BPS-19) Department of physics (BUTTEMS), Takatu Campus, and Baleli Road, Quetta, Pakistan.**

Teaching Materials Sciences To M.S/M.Phil Physics

Teaching Environmental & atmospheric Physics, Solid state physics To M.S/M.Phil Physics

Teaching Numerical methods in computing To BS Engineering Mining

Teaching Mathematical Methods To BS Physics

2005-2009 **Lecturer in Physics (BPS-17) At National College Bahawalpur (As a Visiting Faculty member)**

Teaching Physics at B.Sc level Just Evening Classes

Education**M.Phil Physics in the field of semiconductor Physics studies spintronics materials.**

The Islamia University of Bahawalpur.
(2004-2006)

M.Sc Physics specialization in digital electronics

The Islamia University of Bahawalpur.
(2000-2002)

B.Sc With Mathematics (A+B) & Physics

The Islamia University of Bahawalpur 2000

F.Sc (pre engineering)

Government S E College Bahawalpur 1997

Matriculation With Physics, Mathematics, Chemistry & Biology

Government Technical High School Bahawalpur 1994

Courses**B. Ed With Science (Physics & Mathematics)**

The Islamia University of Bahawalpur (private) 2005

M. Ed Science Education.

Allama Iqbal open University Islam abad 2010

Basic, Fortran & C/C++

Computer languages**Operating Systems**

- DOS
- WINDOWS (95, 98, 2000 & XP windows 2007)

Soft wares

- MS-Office Word processor & Spreadsheet
- FoxPro Database
- Electronics works bench Electronics computer lab.
- Mat Lab For data Analysis.
- Origin 6 For Structure Analysis of solids.

Languages

English, Urdu , Sarieki, Punjabi

Extra Activities

All Pakistan Champion in Martial Arts.

Gold Medalist.

Book Reading, Literature, Poetry.

Area of research

Lattice properties of spintronics materials

Miller indices Characteristics

I/V Characteristics of semiconductor materials

C/V Characteristics of semiconductor materials

XRD Analysis

SEM Analysis

TEM Analysis

EDX Analysis

DLTS

MS Thesis under Supervision

1. Noor ul Haque Khan Achakzai, Synthesis and Characterization of Barium Hexaferrite by Solid State Reaction.
2. Muhammad Talal Usman , Synthesis and Characterization of Strontium Hexaferrite by Solid State Reaction
3. Zia Ur Rahman, The Role of Additives in Strontium Hexaferrite.

Reference:

Prof.Dr.Shoibullah Khan, Department of physics, Balochistan University of Information Technology, Engineering and Management Sciences, Quetta-PK.

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Prof. Dr Rao Muhammad Afzal Khan, Department of Physics, The Islamia University of Bahawalpur.

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Syed Zaheer Abbas Gilani, Assistant Professor, Department of Physics, Balochistan University of Information Technology, Engineering and Management Sciences, Quetta-PK.

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Publications**1**

Title: Solid State Synthesis and Characterization of Spintronics Material Cd_{0.55} Hg_{0.45} Te

H.M.Noor ul Huda Khan Asghar, M. Asghar and M.S Awan

Applied Mechanics and Materials Vols 44-47(2011) pp 2299-2306

2

Title: Solid State Synthesis and Characterization of Spintronics Material Cd_{0.525} Zn_{0.225} Hg_{0.25} Te

H.M.Noor ul Huda Khan Asghar, M. Asghar and M.S Awan

2011 International Conference on Mechatronics and Intelligent Materials

(ISSN: 1022-6680) , which are online available in full text via the platform [\(Accepted\)](http://www.scientific.net)

3

Title: Solid State Synthesis and Characterization of Spintronics Material Hg_{0.8} Cd_{0.2}Te

H.M.Noor ul Huda Khan Asghar, M. Asghar and M.S Awan

2011 International Conference on Mechatronics and Intelligent Materials

(ISSN: 1022-6680) , which are online available in full text via the platform www.scientific.net .(Accepted)