



Mehreen Shaukat

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Objectives

Seeking a teaching position in physics where I can apply my subject expertise to educate, mentor, and motivate students while contributing to the institution's academic growth..

Education

Nov. 2023 - Nov. 2025	MS Physics Department of Physics and Applied Mathematics Pakistan Institute of Engineering and Applied Sciences (PIEAS), Islamabad Pakistan, CGPA: 3.48/4.0
Mar. 2022 - Dec. 2023	B.Ed. Educational Psychology Virtual University of Pakistan (VU), Islamabad Pakistan, CGPA: 2.98/4.0
Feb. 2016 - Jan. 2021	BS Physics Department of Physics National University of Sciences and Technology (NUST), Islamabad Pakistan, CGPA: 2.53/4.0
Sep. 2014 - Jan. 2016	HSSC (Pre-Engineering) BISE Bahawalpur Punjab Group of College for Girls, Sadiqabad Pakistan Marks: 948/1100, 86.2%
Sep. 2012 - Sept. 2014	SSC (Science Group) BISE Bahawalpur F.F.C Model School, Goth Machhi Sadiqabad Pakistan Marks: 951/1100, 86.5%

Teaching Experience

Aug. 2021 – Aug. 2023	Physics Instructor and Section Head Army Public School and Colleges (APS SCO), Rawalpindi RESPONSIBILITIES: Teaching Physics to secondary and higher secondary students. Developed lesson plans and assessments. Managed a team of 20 teachers. Oversaw curriculum quality.
Apr. 2021 – Present	Online Instructor Parhai Likhai (Remote) Teaching Physics and Mathematics to SSC students (including international students).

Journal Publications

2026	M. Shaukat, SMT. Kazmi, Q. Abbas, F. Sher, and MA Rafiq. Dielectric Relaxation and Electron Transport in CdMn₂O₄ Nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , HEC Approved Journal, (2026 Published)
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Conferences/ Workshops/ Short Courses

20 Mar. 2025	American Physical Society(APS),USA Global Physics Summit , NCP
7 Jul. 2023	3rd Summer School in Energy , USPCASE-NUST, Islamabad
30 Sep. 2020	USA-Pakistan Bilateral Conference on Energy Nano-materials , Islamabad
Apr. 2021	Nanotechnology: A Maker's Course , Coursera
7 Dec. 2019	China-Pakistan Workshop on Nano-structures , NUST

Semester Projects

- **MS Research Work**
 Synthesized CdMn₂O₄ nanoparticles using solid-state synthesis method
 Studied dielectric relaxation and electron transport properties
 Analyzed frequency dependent electrical behavior
 Performed material characterization for structural and electrical analysis
- Community engagement project (NUST)
- Scientific calculator (Programming project)
- AC to DC converter design

Honors and Awards

- Best Performance Award (APS SCO, 2022)

References

Dr. Muhammad Aftab Rafiq

Director General, CoE Physics

National Centre for Physics (NCP), Islamabad

Email: aftab@cantab.net

Prof. Dr. Syed Rizwan Hussain

Department of Physics

National University of Sciences and Technology (NUST), Islamabad

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