

# Dr. Muhammad Rizwan

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## Associate Professor of Physics

Department of Physics, University of the Punjab, Lahore, Pakistan

## Career Objectives:

I'm a self motivated and enthusiastic individual with a passionate commitment to my work. Skilled in the design of challenges, enriching and innovative that addresses the diverse interests and needs of an organization. Having good communication skills and an active team member who effectively collaborates with all levels of staff members.

## Education

- PhD, Materials Physics and Chemistry – Beijing Institute of Technology, China (2015)
- MPhil/MS Physics – Govt. College University, Lahore (2011)
- MSc Computational Physics – University of the Punjab, Lahore (2008)

## Professional Experience

- Associate Professor (Tenured) – University of the Punjab, Lahore (2024–Present)
- Assistant Professor (TTS) – University of the Punjab, Lahore (2020–2024)
- Assistant Professor (TTS) – University of Gujrat, Gujrat (2016–2020)
- Assistant Professor (IPFP) – University of the Punjab, Lahore (2015–2016)

## Research & Publications

- 100+ international peer-reviewed publications in leading journals (Elsevier, Springer, Wiley, Taylor & Francis).
- 20+ book chapters with Elsevier, Wiley, Taylor & Francis, Materials Research Forum.

## Research Interest:

Perovskite materials, energy storage, photocatalysis, hydrogen storage, solar cells, metamaterials, superconductors, and spintronics.

## Supervision

Supervised 35+ MPhil/MS/BS theses in computational materials science and energy applications.

## **Awards & Distinctions**

- Top 2% Scientist in the World (Stanford/Elsevier, 2021–2024)
- Distinguished Researcher – Beijing Institute of Technology (2012–2014)
- Best International Student Award – Beijing Institute of Technology (2013)
- Recipient of CSC Scholarship (China) 2011–2015

## **Conferences & Workshops**

Presented and participated in 40+ national and international conferences/workshops on physics, nanotechnology, and materials science.