

Mr. Muhammad Khalid

Lecturer of Physics

Department of Physics, University of Malakand
Email: khalidhashmi_91@yahoo.com | Phone: +92 344 9758353
Address: University of Malakand, KPK, Pakistan

Research Interests

- Optoelectronic Properties of Perovskite Thin Films
- Dye-Sensitized Solar Cells
- Perovskite Based Solar Cells and LEDs
- Semiconductors and Nanotechnology

Education

- PhD in Physics, The University of Texas at Dallas, USA (in progress)
- M.Phil. in Physics, Quaid-i-Azam University, 2016
- B.S. in Physics, University of Malakand, 2013

Academic Appointments

- Lecturer, Department of Physics, University of Malakand, 2016 – Present

Awards and Honors

- Gold Medalist, B.S. in Physics, University of Malakand, 2013

Teaching Experience

- Lecturer, University of Malakand
 - Semiconductor Physics
 - Nuclear Physics
 - Classical Mechanics
 - Waves and Optics
 - Modern Physics
 - Mathematical Methods in Physics
 - Thermodynamics

Service and Leadership

- Organizer, National Conference on Advances in Physics, University of Malakand, 2017

Skills

- Lab Skills: Thin Film Deposition, Electrochemistry, Spectroscopy
- Computer Skills: Mathematica, Origin, C++, Visual Basic, Python, MATLAB
- Languages: Pashto, Urdu, English, Persian