**Name: Zaheer Hussain Shah**



**Academic Designation: Assistant Professor**

**Administrative Designation (if any): Not Applicable**

**UMT Email id: zaheer.hussain@umt.edu.pk**

**Affiliated with UMT since: June 18, 2007**

**Golden Paragraph:**

PhD in Solid State Physics/Nanotechnology is in progress (Course Work Completed and Research is going on) and is expected to be completed in 2016. I served as Chairman Basic Sciences Department from Jan 2011 to Jan 2014. I have Sixteen years of professional and teaching experience starting since 1999 (from Physics Department, Punjab University Lahore to UMT). It also includes Five Years (2001-2006) of teaching at an International Level in Abu Dhabi, UAE. My teaching interest areas are Nanotechnolgy, Solid State Physics, Nuclear Physics, Mechanics, Electricity and Magnetism, and Thin Films Technology. I have Three International Impact Factor Publications. Three Research Papers are submitted in Impact Factor International Journals. Some more research papers in the field of Nanotechnology are under preparation.

**Academic Degrees** (Starting with the latest):

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| --- | --- | --- |
| ***Degree Title*** | ***Institution*** | ***Passing Year*** |
| PhD  (Solid State Physics/Nanotechnology) | COE in Solid State Physics, University of the Punjab,  Lahore, Pakistan | Course Work Completed  (Research in Progress) |
| M. Phil.  (Solid State Physics) | COE in Solid State Physics, University of the Punjab,  Lahore, Pakistan | 2001 |
| M.Sc.  (Physics) | Department of Physics, University of the Punjab,  Lahore, Pakistan | 1999 |
| B.Sc. | University of the Punjab, Lahore, Pakistan | 1996 |
| F.Sc. | BISE Sargodha, Pakistan | 1993 |
| Matriculation | BISE Sargodha, Pakistan | 1991 |

**Interest Areas:**

a) Nanotechnolgy

b) Solid State Physics

c) Nuclear Physics

**Research Work** (in numerical form only):

1. Publications: **03 (International and Impact Factor)**

1. S. Siddique, **Z. H. Shah**, S. Shahid, and F. Yasmin; “Preparation, Characterization and Antibacterial Activity of ZnO Nanoparticles on Broad Spectrum of Microorganisms” Acta Chimica Slovenica, 60 (2013) 660–665.

2. **Z. H. Shah**, I. Ahmad, Q. A. Tahir and E. E. Khawaja; “On the Determination of Refractive Index and Thickness of Thin Dielectric Films from Measurement of Transmittance” Surface Review and Letters, 19 (2012) 12500591-5.

3. **Z. H. Shah** and Q. A. Tahir; “Dielectric Properties of Vegetable Oils” Journal of Scientific Research, 3 (2011) 481-492.

1. Conferences: **03**