



Zakir Ullah

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## Zakir Ullah

PhD

### Experience

- July, 2011 - present**  
Department of Physics, University of Malakand  
Designation: Lecturer
- November 2007 - July 2011**  
Department of Physics, University of Peshawar  
Designation: Lecturer
- May, 2007 - October, 2007**  
Department of Physics, University of Science and Technology Bannu  
Designation: Lecturer

### Education

- 2016, University of Peshawar, Pakistan**  
PhD. Plasma Physics  
Thesis: *Linear and non-linear dynamics of space and laboratory plasma*  
Supervisor: Prof. Dr. Anisa Qamar  
Co-supervisor: Dr. Qmar ul Haque, Senior scientist (PINSTECH)
- 2004, Hannover University Germany**  
MS. Nuclear Physics  
Thesis: *Medium energy cross sections for the production of residual nuclides relevant for accelerator driven technology*  
Supervisor: Prof. Dr. Rolf Michel

### Publications

- Linear and nonlinear dynamics of electron temperature gradient mode in nonMaxwellian plasma (*U. Zakir, Q. Haque, A. Qamar*), Phys. Plasmas **20**, 052106(2013)
- Ion temperature gradient driven modes in dust contaminated plasma with nonthermal electron distribution and dust charge fluctuations (*U. Zakir, Q. Haque, A. Qamar, A. M. Mirza*), Astrophys. Space Sci. **350**, 565-572(2014)
- Ion temperature gradient driven modes in the presence of dust with variable dust charge and nonthermal electrons (*U. Zakir, Q. Haque, A. Qamar, A. M. Mirza*), International Scientific Spring (ISS2014) NCP Islamabad, 10th-14th March, 2014

### Professional affiliation

- Member of the International Conference for Physics Students(ICPS2004), Odense, Denmark
- Member of Pakistan Material Society
- Member of Vacuum Science Society Pakistan

**Field of Interest:** Quantum Plasma, Nuclear Reaction Cross Sections, Nonlinear Structures in Plasma

**Awards/Scholarships:** Higher Education Commission (HEC) Pakistan, Indigenous 5000, Batch-IV, (2007-2012)

**Countries visited:** Germany, Holland, Denmark, United Kingdom

### Languages:

- Mother tongue—Pashto
- Others—Urdu, English, German

**References:** References upon request