

# **RESUME**

***ZAHID ALI***



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## **Education:**

Ph.D (2009--Onward)  
Required *Courses* -----*Complete*  
*Comprehensive*-----*Passed*  
*Gate Subject*-----*Cleared*  
*Paper Published*-----*Three*

M.Sc *Physics (2004)* Department of Physics University of Peshawar, Pakistan

B.Sc *Physics, Math (A), States (2002)* University of Peshawar, Pakistan

HSSc *Pre-Engg. (2000)* BISE Peshawar

SSc *Phy. Chem. Bio. Math, (1998)* BISE Peshawar

## **Ph.D Thesis Title:**

Investigations of structural and magnetic properties of cubic Perovskites by DFT

## **Teaching Experiences (Government Sector)**

Lecturer Physics (Sep.2010 to Jul.2011): Department of Physics Hazara University Mansehra

Lecturer Physics (2008-09): Gov't degree college Badh Bare Peshawar

## **Teaching Experiences (Private Sector)**

Lecturer Physics (2005-08): Islamia Girls degree college Nowshera Cantt.

## **Research Interest:**

Spintronics, Band gap engineering and Magnetic properties of solids by Density functional theory

### Publications:

1. **Z. Ali**, Iftikhar Ahmad, B. Amin, M. Maqbool, G. Murtaza, I. Khan, M. J. Akhtar, F. Ghafar. "Theoretical studies of structural and magnetic properties of cubic perovskites  $\text{PrCoO}_3$  and  $\text{NdCoO}_3$ " Physica B 406 (2011) 3800.
2. I. Khan, Iftikhar Ahmad, B. Amin, G. Murtaza, **Z. Ali**, "Bandgap engineering of  $\text{Cd}_{1-x}\text{Sr}_x\text{O}$ " Physica B 406 (2011) 2509
3. G. Murtaza, Iftikhar Ahmad, B. Amin, A. Afaq, M. Maqbool, J. Maqssod, I. Khan and **M. Zahid**, Investigation of structural and optoelectronic properties of  $\text{BaThO}_3$ , Optical Materials 33 (2011) 553

### Papers under Review:

1. **Z. Ali**, Iftikhar Ahmad, B. Amin, I. Khan  
*Theoretical study of the structural and electronic properties of  $\text{BaMO}_3$  ( $\text{Ln}=\text{Pr, Th, U}$ ).*  
CHIN. PHYS. LETT.
2. **Z. Ali**, Iftikhar Ahmad, B. Amin  
*A first Principle investigation of structural, electronic and magnetic properties of cubic  $\text{SnTaO}_3$*   
Physica B

### Reference:

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