



## **Profile of Dr. Alka Garg**

**Dr Alka Garg**

**Ph.D(Physics) From Delhi University**

**Associate Professor**

**Physics Department**

**Gargi College.**

**Specialisation: Material Sciences and Electronics**

**Research Interest: Growth and Characterisation of single crystals and crystalline thin films of inorganic compounds to explore their sensing capabilities.**

### **Recent Research Publications**

(1). **Alka garg**, Monika Tomar and Vinay Gupta(2014), “ Synthesis and Characterisation of thin films of BismuthTri-iodide”  
**,<http://dx.doi.org/10.1156/2014/370436>.**

(2). **Alka Garg**, Monika Tomar and Vinay Gupta(2014), “Structural,optical and electrical properties of thin films of bismuth tri-iodide” Adv. Sc.Lett.20,1442-1445(2014).

### **Recent Conference/Workshop organised**

(1) Organising “**Mission Digital Literacy part 1 – Introduction to pspice for simulation of electronic circuits**” on (14-15 July, 2015) by **Dr Alka Garg**.

### **Conferences attended**

(1)Attended and presented a research poster in “**National Conference on Nanotechnology and Renewable energy NCNRE-14**” 2014 at **Jamia Millia Islamia New Delhi ,April 2014**.

(2) Attended and Oral presentation in “**Advances in Material Science for energy applications at University of Petroleum and energy studies**”, **Dehradun ,January 2014**.

(3)Attended “**DST sponsored Workshop on Indigenously Developed low cost SPR techniqueand its applications**” May 2014.

(4) Six Days Training program on **EXPeys to learn interfacing of physics and Electronic Experiments** at IUAC New Delhi. April 2014.

### **PG Research guidance**

At present two students from Banasthali Vidyapeeth, Rajasthan are undergoing **M.Sc(Physics) Dissertation** at gargi College:Guide: **Dr Alka Garg(2015)**

### **Research projects(Guided)**

**(1) Design a concentrated Photovoltaic system to trap the sunlight at College campus, 2014-2015,**

Students: Monika Verma ,Shagun Sharma and Shubhani Jain, Mentor: **Dr Alka Garg( contributed to Pathfinder award).**

### **Administrative Work Undertaken**

**(1) Deputy superintendent of examinations NOV-DEC 2014.**

**(2) Convenor of fine Arts society “HUEZ”.**

**(3) Member Of ECO Club.**

**Contact email address**

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