

# Kapil Gupta

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**Born:** October 17, 1984 – Agra, India.

**Nationality:** INDIAN.

**Languages Known:** Fluent in English and Hindi.

## Current position

*Senior Research Fellow,*

S. N. Bose National Centre for Basic Sciences, Kolkata

## Areas of Research

Physics, Materials Science, electronic structure via DFT *ab initio*

## Academic Qualifications

- 2005 B.Sc.,  
Dr. B. R. Ambedkar University Agra(formerly Agra University).
- 2007 M.Sc. in Physics,  
St. John's College, Agra.  
Dr. B. R. Ambedkar University Agra(formerly Agra University).

## Academic records, Awards and Fellowships

- 2005 B.Sc. from Dr. B. R. Ambedkar University Agra(formerly Agra University) with 71.2%.
- 2007 M.Sc. in Physics from St. John's College, Agra; Dr. B. R. Ambedkar University Agra(formerly Agra University) with 71.1%.
- 2007 Qualified JEST(*Joint entrance screening test*) with percentile 97.76 and all india rank 91.

- 2007      Awarded *Junior Research Fellowship* at Department of Materials Science, S. N. Bose National Centre for Basic Sciences, Kolkata.
- 2009      Awarded *Senior Research Fellowship* at Department of Materials Science, S. N. Bose National Centre for Basic Sciences, Kolkata.

## Mathematical and computational skills

Numerical Methods & Mathematical Physics.  
(Course done in M.Sc.)

Programming in *C*, *C++* and *FORTRAN90*.  
(Courses done in B.Sc. and in Ph.D. Course work)

Operating systems  
Linux, DOS, Windows-98, 2000 and XP

## Talks/Presentations

Presented Poster **Electronic Structure of epitaxial thin films of  $LaCoO_3$**  at Workshop on magnetic nanomaterials and their application, Kolkata. (Jan 2009)

Presented Poster **Strain driven magnetism in films of  $LaCoO_3$**  at *Correlation-2009*, Kolkata, INDIA. (Feb 2009)

Delivered Talk **Strain driven magnetism in films of  $LaCoO_3$**  at *BOSEFEST*, S. N. Bose National Centre for Basic Sciences, Kolkata, INDIA. (April 2009)

## Publications and Others

### Journal articles

- 2009      Kapil Gupta and Priya Mahadevan, "*Strain driven magnetism in  $LaCoO_3$  thin films*", Phys. Rev. B. **79**, 020406(R) (2009)