



# Miranda House

## UNIVERSITY OF DELHI

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**Name:** Dr. Vandana Verma

**Department:** Physics

**Current Designation:** Associate Professor

**Email id:** vandana.verma@mirandahouse.ac.in

### **Academic Qualifications**

M. Sc. Physics from University of Delhi (1991), Delhi.

B. Sc. (Hons.) Physics from Hansraj College, University of Delhi (1989), Delhi.

### **Research Degree**

Ph. D. in Physics from University of Delhi (1996), Delhi.

### **Field of Specialization under the Subject/Discipline:**

Experimental High Energy Physics

**Total Teaching Experience:** 28 years

**Teaching at Miranda House since:** 16-10-1996

### **List of Publications**

1. Scaling of multiplicity fluctuations in 800 GeV proton-nucleus interactions, V K Verma, V Anand and R K Shivpuri, Physical Review C 50(1994), 2963.
2. Fractal behaviors in proton-nucleus interactions at 800 GeV, R K Shivpuri and V Anand, Physical Review D 50(1994)287.
3. Multiplicity dependence of intermittency in one and two dimensions in proton-nucleus interactions at 800 GeV, Z. Physik C(1993)47.



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### **Research Guidance**

1. Participated as Mentor in Summer Programme held at D S Kothari Centre for Research and Innovation in Science Education, Miranda House, University of Delhi from 15 June to 30 July 2021.
2. Participated as Mentor in INSPIRE INTERNSHIP PROGRAMME 2010 from 12 to 16 July 2010 at Miranda House, University of Delhi.

### **Administrative Responsibilities**

1. Been a member of Admission Committee from 1991 to 2001.
2. Appointed as Teacher Representative of Governing Body of the college for a term of one year w.e.f. 11 September 2005.
3. Been a member of Admission Committee from 2004 to 2006.
4. Staff Advisor to Student Union for the session 2009 - 10.
5. Convener, Staff Advisors, Student Union for the session 2010 -11.
6. Teacher- in - charge of Department of Physics from 2009 to 2011.
7. Member of college Workload Committee from 2014 to 2017.
8. Deputy Superintendent, University Examination, Odd Semester 2017.
9. Staff Advisor, Student Union from 2017 to 2019.
10. Member of College Workload Committee from 2019 to 2021.
11. Member of Admission Committee from 2019 to 2021.

### **Co-Curricular Activity**

Member of Sports Committee from 1999 to 2001.

### **Extra-Curricular Activities**

1. Member of Quiz Society from 2003 to 2004.
2. Convener of Quiz Society from 2004 to 2005.



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### **Paper Presentation**

Presented a paper titled ' Physics Students Conceptual Understanding of Interference and Diffraction ' in the International Conference on Physics Education 2005 from 21-26 August 2005 at New Delhi.

### **Seminars/Workshops/Conferences attended**

1. Three days Online National Workshop on 'Challenges of Teaching Physics Laboratory Courses' conducted by Kalindi College, University of Delhi, Delhi from 23 - 25 January 2021.
2. Participated in National Conference on 'Technological Empowerment of Women' at Vigyan Bhavan, New Delhi on March 8 - 9, 2018.
3. Participated in 'Workshop on Active Learning as a Transformational Tool for the University Classroom' held on 15 May 2017 at Miranda House, University of Delhi, Delhi.
4. Participated in 'Active Learning Integrating Hands on Experiments and Multimedia Resources: A Collaborative Workshop for Undergraduate Physics Teachers' from 7 - 8 October 2013 at Miranda House, University of Delhi, Delhi.
5. Attended workshop on 'Science and Life' organized by Centre for Professional Development in Higher Education, University of Delhi, Delhi from 21- 22 June 2013.
6. Participated in the National Symposium 'Indian Physics and Mega Projects: Research on the Frontiers' held at Miranda House, University of Delhi, Delhi on 2 - 3 February 2009.
7. Attended the fourth UNESCO workshop on 'Active Learning in Optics and Photonics' held at Miranda House, University of Delhi, Delhi from 6 - 11 November 2006.
8. Attended the 'International Conference on Physics Education' organized by Miranda House at Vigyan Bhavan, New Delhi from 21 - 26 August 2005.