

CV of Ranjan Gupta

- 1. Name and DOB:** Prof. Ranjan Gupta, Jan. 19, 1958
- 2. Designation:** Professor, Scientist 'G'
- 3. Institution:** IUCAA
Post Bag 4, Ganeshkhind
Pune-411007

4. Degrees conferred:

| Degree | Institution conferring the degree | Field(s) | Year |
|-------------|---|------------------------------------|------|
| B.Sc.(Hons) | Rajasthan University Jaipur | Physics (Honours) Chem. & Maths | 1977 |
| M.Sc. | Rajasthan University Jaipur | Physics | 1979 |
| Ph.D. | Physical Research Laboratory Ahmedabad | Physics | 1987 |

5. Research/Teaching experience (in chronological order):

| Duration | Institution | Nature of work done |
|------------------------------|--|--|
| 2 Years (1985-87) | Physical Research Laboratory Ahmedabad | Research |
| 3 Years (1987-90) | Indian Institute of Geomagnetism Mumbai | Upper Atmospheric Research |
| 21 Years (1990-till date) | IUCAA, Pune | Astronomy and Astrophysics Research and teaching Astronomy to MSc |

6. PhD Students guided and ongoing:

PhD Students (completed and awarded degree): Arvind C. Ranade; Mahdi Bazarghan; Hillol K. Das & Archana Bora
PhD Students (currently under guidance): Nisha Katyal; Pritesh Randive and Sandip Bhattacharyya

7. Research Interests:

- a. Astronomical Instrumentation
- b. Interstellar dust and its modeling
- c. Artificial Neural Networks and its application to stellar spectra

8. Membership of Committees etc.:

- a. Member of DST Fast Track Young Scientist Projects committee, DST, Delhi
- b. Scientific Advisory Committee member for Positional Astronomy Centre, Kolkata
- c. Member of International Astronomical Union and IAU Commission 45 on Stellar Spectral Classification
- d. Member on technical committees for various Planetariums at Mumbai/Nashik/Surat/Delhi/Pune etc
- e. Recognized PhD guide at Pune Univ/Guwahati Univ/Rajasthan Univ
- f. Ongoing ISRO-RESPOND project and DST-JSPS Indo-Japan project
- g. Ongoing India-Japan DST-JSPS project
- h. Recently awarded an India-France CEFIPRA collaborative exchange project and India-Russia collaborative exchange project

Publications list of Ranjan Gupta

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Ranjan Gupta and C. Debi Prasad, 1991, Applied Optics, 30, 373. 'Instrumental Broadening caused by the misalignment function in a Fabry-Perot etalon assembly'.

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2. Basics of Astronomy – Block I – Unit 3 – Astronomical Techniques
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