

## Poonam Chandra's Resume

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### Jansky Postdoctoral Fellow

Astronomy Building

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### Education

- 1992 – 1994 Bachelor of Science (Physics, Chemistry, Mathematics), Dayalbagh Educational Institute, India
- 1994 – 1995 Bachelor of Science, Dayalbagh Educational Institute, India, Honors in Physics
- 1995 – 1997 Masters in Physics, Aligarh Muslim University, India (First class, Highest rank in Department of Science, University medal for highest grades.)
- 1997 – 1999 Bachelor of Law, Aligarh Muslim University, India (Could not complete the degree because joined research in Astrophysics)
- 1999 – 2005 Doctor of Philosophy in Astrophysics, under Joint Astronomy Programme of Indian Institute of Science at Tata Institute of Fundamental Research (Best Ph.D. thesis award in Physics at Indian Institute of Science)
- 2005 – 2008 Jansky postdoctoral fellow of National Radio Astronomy Observatory at University of Virginia

### Teaching Experience and technical expertise

- Teaching Assistant for High Energy Astrophysics course given to M.Sc. students of Bombay University, Fall 2001.
- Taught Physics course to Higher Secondary School XII students at Aligarh Muslim University, Nov 1998 - Mar 1999.
- Expertise in analyzing X-ray data using CIAO and Heasoft softwares.
- Expertise in Astronomical Image Processing System Software to analyze radio data.

### Peer reviewed telescope time awards

- Principal Investigator of one VLA large proposal on Type IIIn supernovae and one normal proposal.
- Co-investigator in two Proposals in *Chandra* Cycle 9.
- Co-investigator and the contact person of one VLA large proposal on Gamma Ray Bursts.
- Co-investigator in two Proposals in XMM-Newton Cycle 5 and Cycle 3.
- Principal Investigator of successful *Chandra* proposal under Cycle 5 and co-investigator of two *Chandra* proposals.
- Principal Investigator of successful GMRT proposals under cycles 1, 2, 4, 5, 6, 7 and 10.

### Academic Fellowships, Awards and Grants

- 2007 "Young Scientist of India" award recipient by Indian National Science Academy. (This is most prestigious National award given in all science, technical and medical subjects to scientists under 35 years of age)
- 2007 L. Meera Medal award for the best thesis in theoretical areas of Physics at Indian Institute of Science award

2007	Member of <i>Chandra</i> proposal review committee for cycle 8.
2005 – 2008	Jansky Postdoctoral Fellowship of National Radio Astronomy Observatory
2000 – 2005	TIFR scholarship towards Doctor of Philosophy
2004	”Young scientists’ meeting with Nobel Laureates”, All India level selection (Govt. of India)
2004	Recipient of Sarojini Damodaran International Fellowship
2002 – 2004	Recipient of Kanwal Rekhi award for students’ career promotion, TIFR
1999	Qualified in all India level CSIR-NET (National Eligibility test)
1997	Recipient of F.D.Murad Imamuddin medal, Masters of Physics, Aligarh Muslim Univ

### Extracurricular activities and awards

1. Represented and participated many inter-university badminton tournaments (1990-1996)
2. Represented in Inter-University table tennis tournament, 1993 and 1994 (state level)
3. Special award from National Service Scheme to enable seven illiterate people to read and write and working for 240 hours, 1995.
4. Participated in Junior National Football Championship, 1995
5. Best Drama award for performing in Anton Chekov’s play ”The blind” in ”17th festival of one act Plays in English”, Agra 1994

### Languages spoken

1. English
2. Hindi
3. Sanskrit

### Media coverage for scientific achievements

- On TV channel ”NDTV” of India on April 30, 2005
- On TV channel ”Sahara Samay” of India on May 14, 2005
- In English news paper ”Deccan Herald” of India on April 28, 2005
- In English news paper ”The Times of India” on May 03, 2005
- In English news paper ”Indian Express” on May 04, 2005
- In Gujarati news paper ”Gujarat Samachar” of India on Sept 27, 2005
- In Marathi news paper ”Maharashtra Times” of India on May 08, 2005
- In Hindi news paper ”Nav Prabhat” of India on May 02, 2005
- In Hindi news paper ”Nav Bharat Times” of Northern India on May 08, 2005

### Important Conferences attended and talks delivered

- Workshop on ”From Massive Stars to Supernova Remnants”, in Leiden, The Netherlands, Aug 6,2007-Aug 17,2007. *Oral presentation.*
- NRAO Postdoctoral fellow symposium, April 2007 in Socorro, NM. *Oral presentation.*
- Conference ”Supernova 1987A: 20 Years After. Supernovae and Gamma-Ray Bursters” in Aspen, Colorado, USA from 19 February 2007 -23 February 2007. *Invited talk.*
- Conference ”Supernova and Gamma Ray Burst Remnants” in Santa Barbara, CA from 6 February 2006 - 10 February 2006. *poster presentation.*
- NRAO Postdoctoral fellow symposium, April 2007 in Green Bank, WV. *Oral presentation.*
- ”207th Meeting of the American Astronomical Society” in Washington, D.C. from January 2006 - 12 January 2006, *poster presentation.*
- NRAO colloquium on ”Circumstellar interaction around supernovae”, Nov 2005.
- TIFR Physics colloquium on ”The most violent bomb-blast in our galaxy in the past 100 years:

SGR 1806-20", July 2005, TIFR, Mumbai, India.

- IISc High Energy Physics colloquium on "The most energetic burst in 100 years: SGR 1806-20", July 2005, IISc, Bangalore, India.
- Postdoctoral Interview talk on "Circumstellar interaction of supernovae", January 2005, Niels Bohr Institute, University of Copenhagen, Denmark.
- "NATO International School of Cosmic Ray Astrophysics: 14th Course-Neutrinos and Explosive Events in the Universe", July 2-13, 2004, Erice, Sicily, Italy.
- Students-Nobel Laureates meeting in Physics, June 28- July 2, 2004. Lindau, Germany.
- "International Conference- 1604-2004: Supernovae as Cosmological Light houses", June 16-19, 2004, Padova, Italy. *Oral Presentation.*
- Workshop on "75th Birthday of Prof. Govind Swarup", March 22-23, 2004, NCRA, Pune, India . *Invited talk.*
- "Workshop on Supernovae, Gamma-ray Bursts and Pulsars", January 19-23, 2004, TIFR, Mumbai, India. Invited talk.
- Beppo-Sax symposium "Exploring the X-ray Universe" May 5-8, 2003, Amsterdam, The Netherlands. Poster presentation.
- IAU colloquium192 "10 years of SN1993J", April 22-26, 2003, Valencia, Spain. Poster.
- "Particles, Strings and Cosmology", January 3-8, 2003. TIFR, Mumbai, India.
- Multicolor Universe, September 11-14, 2001, TIFR, Mumbai, India.
- 21st Astronomical Society of India meeting, February 5-8, 2002, IUCAA, Pune, India. Poster presentation.