

1. NAME: UDIT CHATTERJEE

2. Highest Academic Qualification: Ph.D.

3. Position in the Department: Associate Professor

4. Teaching Areas: *General*: Atomic Spectroscopy, Plasma Physics, Advanced Optics
Special papers: Laser Physics and Nonlinear Optics

5. Research Areas: Nonlinear Optics (Experimental)

6. Number of Publications: a) In International Journals: 50; b) In National Journals: 5; c) Conference Papers: 46

7. Number of Ph.D scholars supervised: 1

8. Number of Ph.D currently working: None

9. Project/Research Scheme handled:

Title of the Project/ Scheme	Name of the funding agency	Minor/Major Project	Date of initiation and duration
i) Characterization of nanosecond optical parametric oscillator & coherent tunable source spectroscopy in 3-5 μ region (PRINCIPAL INVESTIGATOR)	Defence research & Development Orga -nization (DRDO), Ministry of Defence, Govt. of India	MAJOR (Rs.14.98 Lakhs)	10.5.07 2007 to <u>2010</u>
ii) Development of High Power Tunable Mid Infrared Source For Remote Sensing Application (PRINCIPAL INVESTIGATOR)	Defence research & Development Orga -nization (DRDO), Ministry of Defence, Govt. of India	MAJOR (Rs.68.65 Lakhs)	10.4.02 2002 to <u>2006</u>
iii) DSA(II) (as Co-Investigator)	University Grants Commission, Govt. of India	MAJOR	1.4.98 1998 to <u>2003</u>
iv) Characterization of Nonlinear Crystals For Laser Devices (as Co-Researcher)	Department of Atomic Energy, Govt. of India	MAJOR	17.11.95 1995 to <u>2001</u>
v) Development of Laser Spray Technology for The Fabrication of Power-Devices (as Co-Researcher)	Institute for Transfer of Industrial Technology (ITIT), Govt. of Japan	MAJOR	17.11.95 1995 to <u>2001</u>
vi) Development of coherent Tunable Infrared radiation & Source (PRINCIPAL INVESTIGATOR)	Department of Science & Technology, Govt. of India	MINOR (Rs. 2.5 Lakhs)	12.5.93 1993 to 1995
vii) DSA (as Co-Researcher)	University Grants Commission, Govt. of India	MAJOR	29.10.92 1987 to <u>1997</u>

10. Miscellaneous Information: **Obtained an Indian PATENT (no. 221735) on 3.7.2008** for an invention entitled "An Optical Feedback Unit for Enhancement of Nonlinear Frequency Conversion Efficiency".

11. **AWARDS**: (i) 2 major projects with total grants of **Rs.83.63 lakhs** from DRDO, Ministry of Defence, Govt. of India in 2002 and 2007 respectively; (ii) **Visiting Scientist** in Electrotechnical Laboratory, Tsukuba, Japan as from 1996 to 1999 (3 months/year) for collaboration work with total travel and maintenance grant from the Japan Govt.; (iii) **Junior Associate** of the International Centre for Theoretical Physics (ICTP), **Trieste, Italy** from January 1, 1995 to December 31, 1998.

12. **MEMBERSHIPS**: Life Members of (i) IPA; (ii) IACS, Jadavpur; (iii) ILA

13. **Book Published:** Proceedings of the International Conference on Laser, Materials Science Communication Year: 2011, ISBN No.: 978-93-80813-14-1, Publisher: SPS Education India Pvt. Ltd., Kolkata.