

Name of Teaching Staff : Dr.(Mrs.) A. Datta
Designation : Associate Professor
Department : Applied Physics



Date of Joining the Institution : 1.7.1997

Qualifications with Class / Grade : 1. Ph.D., I.I.T., Bombay, 1992.
2. Post M.Sc. from Saha Insti. Of Nuclear Physics in 1984.
3. M.Sc. (Physics) from Calcutta University in 1982 with 1st Class, 68.3%.
4. B.Sc.(Physics) from Calcutta University in 1979 with 2nd Class with Honours, 56.7%.

Total Experience in Years : **Teaching: 20 years**

1. Associate Professor in Applied Physics, Dwarkadas J. Sanghvi College of Engineering from 21.8.2010 till date.
2. Assistant Professor in Applied Physics, D.J. Sanghvi College of Engineering from 1.1.2006 to 20.8.2010.
3. Lecturer in Applied Physics (Senior Scale), D.J.Sanghvi College of Engineering from 1.7.2001 to 31.3.2007.
4. Lecturer in Applied Physics, D. J. Sanghvi College of Engineering, from 1.7.1997 to 31.12.2005.
5. Lecturer, Sardar Patel Institute of Technology, from August 1996 to November 1996.
6. Lecturer, S.S. Jondhale College of Engineering, from August 1994 to August 1996.
7. Lecturer, Ratnam College, Bhandup, from June 1993 to April 1994.
8. S.R.F., D.S.T., I.I.T., Mumbai, from 1991-93.
9. S.R.F., I.I.T., Mumbai, from Jan, 1988 to Jan, 1991.
10. J.R.F., I.I.T., Mumbai, from August 1985 to December 1987.
11. S.R.F., S.I.N.P., Calcutta, from December 1984 to May 1985.

Industry: --

Research: --

Papers Published

: **National:** 6

Paper published in refereed journals:

1. Spontaneous release of malondialdehyde from ultraviolet light exposed liposomal membranes: Sangiv Agarwal, Anusuya Ghosh, and S.N. Chatterjee, Z. Naturforsch, 42c, 585(1987).
2. Effect of Zr, Ti, substitutions on Tc in superconducting $YBa_2Cu_3O_{7-5}$ system: N. Venkataramani, K. Muraleedharan, A. Datta, S. N. Bhatia, Om Prakash and C. M. Srivastava, Pramana-J. Phys. 30, L455(1988).
3. On the resistivity anomalies above 500K in some high-Tc ceramic superconductors: A. Datta, K. Muraleedharan, N. Venkataramani and C. M. Srivastava, J. Phys. C: Solid State Phys. 21, L757 (1988).
4. Investigation of high temperature superconductivity through microwave absorption method: C. M. Srivastava, N. Venkataramani, A. Datta and N. S. H. Rao, Bull. Mat. Science, 14, 803 (1991).
5. Normal state dc electrical resistivity in Re-123 superconductors: A. Datta, C. M. Srivastava, and N. Venkataramani, Physica C210, 408 (1993).
6. Relativistically Parameterized Extended Huckel calculation of net charges on atoms in $YBa_2Cu_3O_{7-8}$: Anusuya Datta, C. M. Srivastava, and Sambhu N. Datta, J. Phys. Chem. 97, 9996(1993).

International: --

Papers Presented in
Conferences

: **National:** 2

- 1 Effect of Zr, Ti substitutions on Tc in superconducting $YBa_2Cu_3O_{7-8}$ system: N. Venkataramani, K. Muraleedharan, A. Datta, S. N. Bhatia, Om Prakash and C. M. Srivastava, Proc. DAE Solid state Phys. Symp., B.A.R.C., 30C, 245(1987).
- 2 Microwave absorption characteristics of $Bi_{1.6}Pb_{0.4}Ca_2Cu_3O_{10+8}$: A. Datta, N. S. H. Rao, C. M. Srivastava, and N. Venkataramani, Proc. DAE Solid State Phys. Symp., B.H.U., 34C.278(1991).

International: --

PhD Guide ? Give field & University : **Field:** --
University: --

PhDs / Projects Guided : **PhDs:** --
Projects at Masters level: --

Books Published / IPRs / Patents : --

Professional Memberships : ISTE
Life Member of the Indian Physics Association.

Consultancy Activities : --

Awards : --

Grants fetched : --

Interaction with Professional Institutions : --