

Name of Teaching Staff : Dr.(Mrs.) A. Datta  
Designation : Associate Professor in Applied  
Physics & Controller of Examination  
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 Institute of Nuclear Physics in 1984.  
3. M.Sc. (Physics) from Calcutta University in 1982 with 1<sup>st</sup> Class, 68.3%.  
4. B.Sc.(Physics) from Calcutta University in 1979 with 2<sup>nd</sup> Class, 56.7%.

Total Experience in Years : **Teaching: 25 years**

1. Associate Professor in Applied Physics, Dwarkadas J. Sanghvi College of Engineering from 21.8.2010 till date.
2. Controller of Examination, Dwarkadas J. Sanghvi College of Engineering from 16.2.2014 till date.
3. Associate Professor in Applied Physics, Dwarkadas J. Sanghvi College of Engineering from 21.8.2010 till date.
4. Assistant Professor in Applied Physics, D.J. Sanghvi College of Engineering from 1.1.2006 to 20.8.2010.
5. Lecturer in Applied Physics (Senior Scale), D.J.Sanghvi College of Engineering from 1.7.2001 to 31.3.2007.
6. Lecturer in Applied Physics, D. J. Sanghvi College of Engineering, from 1.7.1997 to 31.12.2005.
7. Lecturer, Sardar Patel Institute of Technology, from August 1996 to November 1996.
8. Lecturer, S.S. Jondhale College of Engineering, from August 1994 to August 1996.
9. Lecturer, Ratnam College, Bhandup, from June 1993 to April 1994.

**Industry:** --

**Research:** --

1. S.R.F., D.S.T., I.I.T., Mumbai, from 1991-93.
2. S.R.F., I.I.T., Mumbai, from Jan, 1988 to Jan, 1991.
3. J.R.F., I.I.T., Mumbai, from August 1985 to December 1987.
4. S.R.F., S.I.N.P., Calcutta, from December 1984 to May 1985.

Papers Published : **International: 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  $T_c$  in superconducting  $YBa_2Cu_3O_{7-\delta}$  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 resistively anomalies above 500K in some high- $T_c$  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  $YBa_2Cu_3O_{7-\delta}$ : Anusuya Datta, C. M. Srivastava, and Sambhu N. Datta, J. Phys. Chem. 97, 9996(1993).

Papers Presented in  
Conferences

: **National:** 2

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

**International:** --

: **Field:** --  
**University:** --

PhD Guide ? Give field &  
University

PhDs / Projects Guided : **PhDs:** --

**Projects at Masters level:** --

Books Published / IPRs /  
Patents : --

Professional Memberships : Indian Society of Technical Education  
Indian Physics Association

Consultancy Activities : --

Awards : --

Grants fetched : --

Interaction with  
Professional Institutions : --