

## Professor Anju Chadha

Professional Address: Lab. of Bioorganic Chem., Dept. Of Biotechnology, IITM, Chennai 600 036  
Tel. ( off): 044 2257 4106 Fax: 044 2257 4102  
Cell: 09444381513  
E-mail: [anjuc@iitm.ac.in](mailto:anjuc@iitm.ac.in)

### Education

1992-1993 PDF: Alexander von Humboldt Fellow at Uni Wuppertal, Germany  
1985-1989 PDF: Fogarty Fellow, NIH, Bethesda, MD, USA  
1979-1984 Ph.D. in Organic Chemistry, Dept. Of Org. Chem., IISc  
1975-1977 M.Sc. Org. Chem., Poona Univ., Pune

### Professional Employment & Current position

2006 - present Professor, Dept. Of Biotech., IITM  
2004 - 2006 Associate Professor, Dept. Of Biotech., IITM  
1998 - 2004 Asstt. Professor, Dept. Of Chemistry, IITM  
1991 - 1998 Sr. Scientist at SPIC Pharma R & D, TN

### Honours and Awards

- The International Women's Day [March 08, 2011] award [University of Madras] for outstanding contributions in the field of Science
- Invited to write a biographical note in 'Lilavati's Daughters' – a book about 100 women scientists of India, Indian Academy of Sciences, Bangalore, 2008
- Alexander von Humboldt Fellowship, Germany (1992-1993)
- Fogarty International Fellowship, NIH, USA (1985-1988)
- Hanumantha Rao Medal for the Best Thesis in the Science Faculty, IISc, Bangalore, India (1985)
- Maharashtra State Government Scholarship (1975-1977) ; Chemistry Prize, N. Wadia College, Poona (first in College; 1975); Best Student and Chemistry Prize, Central School, Dehu Road ( 1972)

### Areas of Specialisation

Enzymes in organic synthesis – including whole cells, for the synthesis of biologically active compounds (eg. pharmaceuticals, flavours); Green chemistry, developing green methods for organic synthesis  
Enzyme purification and mechanisms; Biocatalysis as applied to Biosensors; Biodiesel and Chirotechnology

**Sponsored Research Funds:** From GoI and industry: ~4 cr. INR upto now in IITM

### Experience

Mentor for PhD and MS students [15 PhDs completed; 8 on-going; 8 MS completed; 2 on-going]  
25 years experience in the use of enzymes in organic synthesis  
Familiar with the use of enzymes from various sources [eg. lipases & oxido-reductases from bacteria and fungi]  
Purification of enzymes and understanding mechanism through crystal structure studies  
Teaching undergraduate and graduate courses in bioorganic chemistry.  
Management of numerous govt. and industry funded research projects  
Numerous publications in Journals, speaker at numerous conferences  
Referee for various scientific Journals; Member of Project Monitoring Comm., and Task Force, GoI & Industry  
Member Secretary of the Institute Ethice Comm. since 2007-

### Publications and Patents

82 publications in various peer reviewed Journals; Several book chapters and 6 patents