

Human Resource Development

Professor Sujata Bhat supervised research work and trained the following students.

Past Research Associates/Assistants

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|----------------------------|----------------------------|
| 1. Dr. Meenakshi Sivakumar | 13. Dr. N. Sunder |
| 2. Dr. Sujata Syam | 14. Dr. (Late) B. S. Bajwa |
| 3. Dr. Neeta Srivastava | 15. Dr. Greta Moraes |
| 4. Dr. C. Latha | 16. Dr. P. S. Kalyanraman |
| 5. Dr. R. Patil | 17. Dr. Sumedha. Y. Dange |
| 6. Dr. K. Ravi Ujjanmatada | 18. Dr. A. Kamala Devi |
| 7. Dr. S. Madhavi | 19. Dr. Bichismita Saha |
| 8. Dr. Y. R. Jorapur | 20. Mr. Omkar Oltikar |
| 9. Dr. S. Apoorba | 21. Ms Rujuta Uttekar |
| 10. Dr. G. S. Babu | 22. Ms. Jyoti Yadav |
| 11. Dr. G. Mahendra | 23. Ms Shafia Kureshi |
| 12. Dr. Anand M. Lahoti | 24. Mr. Sandesh Bhujbal |
| | 25. Mr. Mangesh Sonawane |
| | 26. Ms Manimala Thevur |

Ph. D. Students (Studies completed)

27. Dr. Gupta Vijaykumar, **2016**, Topic: Synthesis and Applications of Enones, Lignans and Isocoumarins, Mumbai University.
28. Dr. Shrikant P. Nalawade, **2015**, Topic: Asymmetric Synthesis of Bioactive Terpenoids, Mumbai University.
29. Mr. Rohan Pawar, **2014**, Topic: Design and Asymmetric Synthesis of Bioactive Molecules, Mumbai University.
30. Mr. Mayur Uttekar, **2014**, Topic: Synthesis and Evaluation of Novel Molecules for Pharmaceutical and Perfumery Applications, Mumbai University.
31. Ms Sylvia Fernandes, **2014**, Topic: Synthesis of Bioactive Molecules towards Antiviral, Antitumour and Perfumery applications, Mumbai University.
32. Dr. Shilpi Kabiraj, **2013**, Topic: Stereospecific Synthesis and Applications of New Molecules as Antimalarial and Perfumery Agents, Mumbai University.
33. Dr. Gauri P. More, **2013**, Topic: Studies in Synthesis of Bioactive Molecules using Chiral and Achiral catalysts, Mumbai University.
34. Dr. Sangeetha Vasudevan, **2012**, Topic: Studies in Biotransformation of Organic Compounds with Perfumery and Pharmaceutical Applications Teacher from Vaze College, Mumbai University.
35. Dr. Monica Rane, **2012**, Topic: Studies in Stereospecific Synthesis and Their Pharmaceutical and Perfumery Applications. Mumbai University.

36. Dr. Vidya Menon, **2010**, Topic: Studies in Chemistry of Some Indian Medicinal Plants and Their Applications as New Anti-tumor Agents. Teacher from Vaze College- Mumbai University.
37. Dr. Sanjay Mishra, **2010**, Topic: Computer-aided Design, Synthesis and Biological Evaluation of Anti-HIV Molecules, Mumbai University.
38. Dr. Reena P. Khandare, **2009**, Topic: Studies in the Chemistry of Terpenes and Their Applications as Anti-malarials and Perfumery Agents. Mumbai University
39. Dr. Kiran B. Upar, **2009**, Topic: Stereoselective Synthesis and Applications of Cyclic Terpenoids and Heterocycles, Awarded Ph. D. degree of Mumbai University
40. Dr. Soni A. Singh, **2009**, Topic: Total Synthesis of Bioactive Molecules including Evaluation of New Antimalarials, Mumbai University.
41. Dr. A. V. Sivakumar, **2002**, Topic: Asymmetric synthesis of bioactive molecules through application of chiral sulfoxide, Department of Chemistry, Indian Institute of Technology, Bombay.
42. Dr. Raka Ghosh, **2002**, Topic: Synthesis of some biologically active compounds Department of Chemistry, Indian Institute of Technology, Bombay.
43. Dr. A. Sivaramakrishnan, **2002**, Topic: Synthetic studies toward biologically active natural products, Department of Chemistry, Indian Institute of Technology, Bombay.
44. Dr. S. K. Kumar, **2001**, Topic: Design and synthetic studies towards biologically active molecules, Department of Chemistry, Indian Institute of Technology, Bombay.
45. Dr. H. Gurulinggappa, **2001**, Topic: Synthetic and biological studies of natural products, Department of Chemistry, Indian Institute of Technology Bombay.
46. Dr. S. Sunder, **2000**, Topic: Synthesis studies towards Biologically active molecules, Department of Chemistry, Indian Institute of Technology Bombay.
47. Dr. P. Veera Reddy, **1999**, Topic: Studies in synthetic Utility of Zeolites, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
48. Dr. T. Subramanian, **1998**, Topic: Studies on Synthesis of some biologically active molecules using 3-sulfolenes, Department of Chemistry, Indian Institute of Technology Bombay.
49. Dr. M. Rajan, **1998**, Topic: Development of artificial skin based on collagen, gelatin and synthetic polymers, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
50. Dr. M. K. Kundu, **1997**, Topic: Synthesis and evaluation of some biologically active molecules, Department of Chemistry, Indian Institute of Technology, Bombay.
51. Dr. Shreeshailkumar Hadimani, Topic: **1997**, Department of Chemistry, Indian Institute of Technology Bombay,
52. Dr. Balu Narayanan, **1996**, Stereo selective approach towards the synthesis of Biologically important molecules, Department of Chemistry, Indian Institute of Technology Bombay
53. Dr. Mrunatini V. Kulkarni, **1994**, Topic: Hemorheology and microcirculation in diabetes Mellitus, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
54. Dr. V. J. Jacob, **1992**, Topic: Studies in the synthesis of bioactive compounds, Department of Chemistry, Indian Institute of Technology Bombay.
55. Dr. R. Padmakumar, **1992**, Topic: Studies in the synthesis of biologically active natural products, Department of Chemistry, Indian Institute of Technology Bombay.

56. Dr. Kailesh Sharma, **1992**, Topic: Hemodynamic and Magnetic Resonance Imaging studies on Leukemia, School of Biomedical Engineering, Indian Institute of Technology, Bombay.
57. Dr. V. K. Gore, **1991**, Topic: Synthetic studies directed towards biologically active, Department of Chemistry, Indian Institute of Technology Bombay.
58. Dr. T. Mayelvaganan, **1991**, Topic: Studies towards synthesis and characterize of natural terpenoids, Department of Chemistry, Indian Institute of Technology Bombay.
59. Dr. Shaileshkumar R. Desai, **1991**, Topic: Synthetic utility of 3-sulfelenes and 2-formyl-4,4-dimethyl-cyclo-hexa-2,5-diene-1-one towards, terpenoids and heterocycles, Department of Chemistry, Indian Institute of Technology Bombay.

M. Tech.

60. S. Sandanaraj Britto, **2002**, Topic: Design, synthesis and evaluation of novel HIV-1 protease inhibitor, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
61. Elangovan Krishnan, **2002**, Topic: Design and development of chitosan based smart biomaterials for novel drug delivery systems, School of Bioscience and Bio-Medical Engineering, IIT, Bombay
62. Mr. Ravi Chandra Dwivedi, **2000**, Topic: Computer aided designing of HIV- 1 protease inhibitor, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
63. Kaushik Sengupta, **2000**, Topic: Computer-aided design and synthesis of antitumor agents, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
64. M. V. Risbud, **2000**, Topic: Studies in controlled drug delivery systems, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
65. Sudha Chakrapani, **1999**, Topic: Design & synthesis of antitumor drugs, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
66. Jayashree sethurajan, **1998**, Topic: Prediction of activity of inhibitors of HIV-1 protease using energy minimization techniques, School of Bioscience and Bio-Medical Engineering, IIT, Bombay.
67. Kaushik Dutta, **1998**, Topic: Development of polymer matrix for artificial skin, School of Bio- School of Bioscience and Bio-Medical Engineering, IIT, Bombay.

M. Sc. Projects

68. Mr. Jitesh Devkar, **2022**, Topic: Synthesis of Chalchones.
69. Mr. Pawan Yadav, **2022**, Topic: Alkylolation studies of methoxy-phenol.
70. Ms. Komal Mote, **2019**, Topic: Studies in production, immobilization and Biotransformation using Lipase for perfumery applications.
71. Ms Sayali Mestry, **2019**, Topic: Studies in biotransformation using fungi for perfumery and pharmaceutical applications.
72. Ms Juili Gole, **2017**, Topic: Biotransformation of compounds using microorganism.
73. Ms. Aloka Poke, **2017**, Topic: Synthesis and evaluation of new molecules for antimicrobial activity.

74. Ms. Ankita Mashelkar, **2017**, Topic: Biotransformation of compounds using Enzyme and plant cell.
75. Ms Sneha Chatterjee, **2015**, Topic: Biotransformation of molecules with perfumery and pharmaceutical applications.
76. Ms Aneesha Ramachandran, **2012**, Topic: Synthesis of Andrographolide derivatives and evaluation of anti-tumour activity, University of Mumbai.
77. Ms Sneha Vartak, **2011** Topic: Synthesis of terpenic diconjugated acid,/esters and antibacterial activity evaluations, University of Mumbai.
78. Mr. Rahul More, **2011** Topic: Synthesis and antitumor activity evaluations of retinobenzoic acid analogues, University of Mumbai.
79. Ms. Payal kishorkumar Vyas, **2009**, Topic: Expression purification crystallization and enzyme kinetic studies of drug resistant mutants of HIV-1 Protease, University of Mumbai,
80. Ms. Neha D. Kasar, **2008**, Topic: Dimerization of vanillin, eugenol and isoeugenol and evaluation of antioxidant properties, University of Mumbai.
81. Ms. Suvarna S. Adak, **2007**, Topic: Biotransformation of 1,9-dideoxyforskolin by different strains of fungi, University of Mumbai.
82. Mr. Gaurav S. Soman, **2007**, Topic: Synthetic of naphthoquinone derivatives using Diels Alder reaction and their valuation for antitumor activity, University of Mumbai.
83. Mrinmoy De, **2002**, Topic: Synthesis and evaluation of bioactivity of novel podophyllotoxin analogues, Department of Chemistry, Indian Institute of Technology, Bombay.
84. Mr. Ramkrishna De, **2002**, Topic: Synthesis and antitumor activity evaluation of new chromone derivatives, Department of Chemistry, Indian Institute of Technology, Bombay
85. Mr. Vinod S. Kundnavi, **2001**, Topic: Synthesis and Evaluation of antibacterial activity of quinolone analogues, Department of Chemistry, Indian Institute of Technology, Bombay.
86. Ms. Kalyani Patil, **2000**, Topic: Synthesis of novel dienones for applications in synthesis of bioactive molecules, Department of Chemistry, Indian Institute of Technology, Bombay.
87. Mr. Mahesh Rawat, **1999**, Topic: Use of zeolites in organic reactions and utility in the synthesis of fine chemical, Department of Chemistry, Indian Institute of Technology, Bombay.
88. Ms. Bipasha Bavua, **1999**, Topic: Synthesis of novel anti-bacterial naphthopyridine analogues, Department of Chemistry, Indian Institute of Technology, Bombay.
89. Mr. T. Udaya Bhaskar, **1998**, Topic: Design, Synthesis and *in vitro* evaluation of skeletal muscle relaxants, Department of Chemistry, Indian Institute of Technology, Bombay.
90. Ms. Sonali Athavankar, **1998**, Topic: Enantioselective synthesis of chiral sulfoxides using enzymes and micro-organism, Department of Chemistry, Indian Institute of Technology, Bombay.
91. Mr. Peddibhotia Satyemaheshwar, **1997**, Topic: Synthesis of substituted pyrimidines having potential anti-HIV and antibacterial properties, Department of Chemistry, Indian Institute of Technology, Bombay.
92. Mr. Santosh J. Gharpure, **1996**, Topic: synthesis and Evaluation of biologically active polyenes, Department of Chemistry, Indian Institute of Technology, Bombay

93. Ms. Aindrila mukhopadhyay, **1996**, Topic: Synthesis of chiral bioactive molecules using enzymes and microorganisms, Department of Chemistry, Indian Institute of Technology, Bombay.
94. Mr. Prakash Krishnan, **1995**, Topic: Synthesis of new insecticidal compound, Department of Chemistry, Indian Institute of Technology Bombay.
95. Mr. Sumesh John, **1994**, Topic: Synthetic utility of Sulfoxides and Sulfolenes Department of Chemistry, Indian Institute of Technology, Bombay.
96. Mr. Sandeep Parekh, **1994**, Topic: Isolation of podophyllotoxin, Department of Chemistry, Indian Institute of Technology, Bombay.
97. Mr. Surojit Mukharjee, **1994**, Topic: Microwave mediated rate enhancement of Bilylis-Hillman reaction, Department of Chemistry, Indian Institute of Technology Bombay
98. Mr. Rajendra P. Tanpure, **1993**, Topic: A novel synthesis of podophyllotoxin, Department of Chemistry, Indian Institute of Technology Bombay.
99. Ms. Bidya banmali, **1993**, Topic: Enzymatic synthesis of anti hypertensive agents Department of Biotechnology, Indian Institute of Technology, Bombay.
100. Mr. P. Srinagesh Kumar, **1992** Topic: Enzymatic synthesis of isoprenaline analogues, Department of Chemistry, Indian Institute of Technology Bombay.
101. Mr. D. Subramanian, **1990**, Topic: Use of immobilized cells and enzymes in the synthesis of bioactive molecules, Department of biotechnology, Indian Institute of Technology, Bombay.
102. Mr. B. Krishnakumar, **1989**, Topic: Synthesis and Evaluation of foskolin analogues in adenylate cyclase stimulator and hemorheological properties, Biotechnology, Indian Institute of Technology, Bombay.
103. Mr. Satish K. Badge, **1989**. Topic: Use of electro-organic reactions in the synthesis of alkaloid and terpenoids, Department of Chemistry, Indian Institute of Technology Bombay,
104. Mr. S. Vivekanantan, **1986**, Topic: Synthetic utility of asymmetric sulphoxides, Department of Chemistry, Indian Institute of Technology, Bombay..
105. Ms. Savita B. Patankar, **1985**, Topic: Synthesis studies of alkaloid rohifukine, Department of Chemistry, Indian Institute of Technology, Bombay.
106. Ms. T. Nirmala, **1985**, Topic: Studies in synthetic utility of sulfones, Department of Chemistry, Indian Institute of Technology, Bombay.

Current Assistants with M. Sc. degree

107. Ms Manisha Gupta
108. Ms Sayali Mestry