## ACKNOWLEDGEMENT

I take this opportunity to thank and express my gratitude to all those who directly or indirectly helped me to accomplish this venture.

I sincerely thank and express my indebtedness and deep sense of gratitude to my guide Dr. S. H. Mishra, Professor of Pharmacy, Pharmacy Department, Faculty of Technology and Engineering, The M.S.University of Baroda, whose guidance, keen interest, helpful criticisms and encouragement served as a constant inspiration during the entire course of my PhD tenure and will always remain an ideal symbol of inspiration to me throughout my life.

My sincere thanks are also due to **Dr. A. N. Mishra**, Professor and Head, Pharmacy Department, Faculty of Technology and Engineering, The M.S. University of Baroda, for providing necessary facilities.

I also extend my sincere thanks to all the teaching staff of Pharmacy Department, Faculty of Technology and Engineering, The M.S.University of Baroda.

I am also thankful to **Dr.** (Mrs) G. Banerjee for helping me in carrying out Microscopical analysis of crude drugs.

I am also thankful to CSIR, New Delhi for providing financial assistance for carrying out this work.

I am also thankful to CDRI, Lucknow, for carrying out the spectral analysis of my compounds.

I am also grateful to **Dr. Pradeep Deota**, Applied Chemistry Dept, M.S.University, Baroda for his great help in interpretation of spectral data.

No words can express my gratefulness towards my dear friends N. Subramanian, Arul Sudar, Parmeshwari Halen, S. Ganesh, Jayathirtha, Somshekhar, Manish, Manan and many more for their unforgettable help, support and encouragement during the entire tenure on work front or otherwise.

The blessings and inspiration of my parents and their belief in me gave me strength and made it possible for me to follow my dream. I am also touched by my brother's love and support at each step.

My highest regards go to my extremely loving wife, Pallavi who helped me in every possible way and showed her immense love and support at each and every step of my work.

I am also touched with the patience and love shown by my cute little son, Aditya.

It is only their love and support that has made my dream come true.

ANAND R. BAFNA