ACKNOWLEDGEMENT

"Let us rise up and be thankful, for if we didn't learn a lot today, at least we learned a little, and if we didn't learn a little, at least we didn't get sick, and if we got sick, at least we didn't die; so, let us all be thankful."

-Buddha

There are occasions in life when language seems to be crippled in expressing our emotions and feelings and I am going through same feeling while writing this acknowledgement of mine. This thesis is the result of four years of work whereby I have been accompanied and supported by many people. It is a pleasant aspect that I have now the opportunity to express my gratitude for all of them.

I take this opportunity to express my profound gratitude and deep regards to my guide **Prof.** (Mrs.) Rajani Giridhar for her exemplary guidance, monitoring and constant encouragement throughout the course of this thesis. The blessing, help and guidance given by her time to time shall carry me a long way in the journey of life on which I am about to embark.

It is my privilege to express my heartiest gratitude to my venerate mentor **Prof. M. R. Yadav**, Head Pharmacy Department, The M. S. University of Baroda, under whose pre-eminent guidance, I have carried out my research work. It was his keen interest, constant encouragement and valuable suggestions and guidelines, through supervision in every matter, which enabled me to complete this work. His scholarly suggestions, prudent admonitions, immense interest, constant help and affectionate behavior have been a beacon of light for me. His suggestions will remain with me as an inexhaustible source of scientific learning throughout my life.

I wish to express my sincere thanks to **Dr. Manish Bhalla** for his encouragement, support and incessant help at the time of need.

I am highly grateful to **Prof. A. N. Misra**, Dean, Faculty of Tech. & Engg., The M. S. University of Baroda, for cordial support, valuable information and guidance, which helped me in completing this task through various stages. I am also thankful to **Prof. S. J. Rajput**, Ex-Co-ordinator, Shri G. H. Patel Research Building, for providing the necessary facilities during the course of the work.

I am obliged to Mrs. Vaishali Patel, Mrs. Hasumatiben, Mrs. Heena Varma, Harish Bhai and other staff members of Pharmacy Department, for the valuable information and assistance provided by them in their respective fields. I am grateful for their cooperation during the period of my research work.

I express my special gratitude to **Abhishek** and **Sanskriti** for their help and moral support during this period.

It gives me great pleasure to acknowledge the support and cooperation rendered by my lab mates **Dr. Praful Sable, Prashant Naik, Prashant Murumkar, Vishal, Anand, Palash, Premlal, Yogish, Vijay, Mukesh, Riyaj** and **Hardik** for their constant support and fruitful discussions.

It gives me immense pleasure to acknowledge the help and cooperation rendered by **Navnit**, **Anshuman**, **Ashish**, **Pratik** and **Sujata** in my research work.

One cannot forget the strength and support that one gets from their family. I find myself with limitation of words to express my deep sense of gratitude to my **Grandfather.** It was the love and indispensable support of my **Parents**, who provided me with the best possible of everything in my intellectual pursuits. I wish to record my profound gratitude to my **Mother-in-law** for her unconditional support. I acknowledge and admire the love, confidence and moral support bestowed on me by younger members in my family **Anuj**, **Neeta**, **Anisha** and **Kunal**, without whose affection, the present effort would have remained an unrealized dream.

Amit