Acknowledgements

“Words are always poor approximation of what one intends to say.”

The endless thanks goes to Almighty (the supreme soul) for always being with me and blessing me with good family, friends, teachers, well-wishers and extend his helping hands to complete my work successfully.

No research is ever the outcome of single individual’s efforts. This work is also no exception. Some of the personalities known and unknown have contribute to and made it possible for me to present in this shape. I am heartly grateful to all of them.

A successful outcome in any research endeavor attributes itself to the selfless guidance of the Guide. This is great opportunity on my part to express my gratitude and sincere respect to my esteemed research guide Dr. (Mrs.) Anandkumari D. Captain, Assistant Professor of Department of Pharmaceutical Chemistry and Analysis at A.R. and G.H. Patel college of Pharmacy, Vallab Vidyanagar, for her immense guidance, help and heartly support for the timely completion of the work, I shall forever be indebted to her for providing me the support, her affection, encouragement and developing confidence in me. Again my sincere thank to her.

I am gratefuly indebted to Dr. A. K. Saluja, the honorable principals of ARCP & GHPIP, Vallabh Vidyanagar for providing all the facilities for my work and for their support and encouragement.

I am gratefuly indebted to Dr. V. S. Patel, Director at SICART for providing all the facilities and continuous motivation for my work.

I consider it as a great privilege to express my heartfelt gratitude and sincere thanks to Dr. Dipak K. Raval (HOD), P.G. Department of Pharmaceutical Sciences, Sardar Patel University for his support and guidance.
I also take this opportunity to express my thanks to Miss. Shraddha J. Parmar, Mr. Pathik Patel and Mrs. Shailendra Bhatt my colleague cum friend cum motivator.

I am extremely grateful to my teachers Dr. R. S. Mehta, Dr. V. M. Vagela, and Dr. R. B. Patel Department of Pharmaceutical Chemistry and Analysis, ARCP for their motivation and guidance.

My sincere thanks to Dr. F. A. Mehta, Dr. S. L. Baldania, Dr. K. B. Ahir and Mr. D. V. Patel Department of Pharmaceutical Chemistry and Analysis, IICP, for their timely help, inspiration and valuable suggestions.

I extend my sincere thanks to Dr. (Mrs.) H. V. Patel, Dr. (Mrs.) M. R. Patel, Mr. Jignesh Patel, Mr. Ravindra Patel and Dr. (Mrs.) Snangita Sukla, Staff member of IICP, for their moral support, inspiration.

I wish to express my gratitude to Dr. V. A. Patel, Dr. J. R. Parikh and Dr. N. P. Chotai, Department of Pharmaceutics, ARCP for his valuable suggestion and kind cooperation during the study and sharing his views in pharmaceutical Analysis.

My sincere gratitude extends to Mrs. Vaishali Karkhanis Department of Pharmaceutical Chemistry and Analysis, ARCP and Usmangani K. Chhalotiya Department of Pharmaceutical Chemistry and Analysis, IICP.

A special thanks to Sophisticated Instrumentation Center for Applied Research & Testing (SICART), Vallabh Vidyanagar and staff member of SICART Dr. Gautam Chauhan for their support, cooperation and suggestion for practical work.

My dearest friends Jigar, Bhavna, Manisha, Farhat, Jignesh, pathik, Shailandara (SOB) and all my friends for their moral support, good company and encouragement.

I am profoundly indebted to my parents who had taught me all lessons of life and prepared me to face every situation with courage. They have always boosted me and supported me all the way in life.

My special thanks to god for giving me very supporting better half, my husband Amarishkumar and my prince Rajvir. Amaish has been a true and great supporter and has unconditionally loved me during my good and bad times. He has been non-judgmental of me and instrumental in instilling confidence. He has faith in me and my intellect even when I felt like digging hole and crawling into one because I didn't have faith in myself. I
am truly thankful to him for sticking by my side, even when I was irritable and depressed. I feel that what we both learned a lot about life and strengthened our commitment and determination to each other and to live life to the fullest. Rajvir the best son, his smiles encourage me to efficiently overcome the difficulties encountered in my pursuit of the Degree.

Lastly I consider this as an opportunity to express my gratitude to all the dignitaries who have been involved directly or indirectly with the successful completion of this dissertation.

BHAVNA A. PATEL