ACKNOWLEDGEMENTS

Any accomplishment requires the effort of many people and this work is no different. It gives me immense pleasure to express my heartfelt thanks to all those who have directly or indirectly contributed to make this work a success. I will always be grateful to the God for enabling me to do whatever I could in all these years towards completion of this work.

With all humility and reverence, I sincerely owe a great debt of gratitude and thanks to my esteemed guide Dr. (Ms.) Rajshree C. Mashra, Reader, Pharmaceutical Quality Assurance, Pharmacy Department, for her invaluable guidance, expert suggestions, constructive criticism, immense patience and kindness to guide and supervise my work throughout the course. She has been a constant source of inspiring guidance, thought provoking ideas, and this dissertation is a result of her rational and meaningful thinking.

Financial support from the University Research Fellowship (The Maharaja Sayajirao University of Baroda, Vadodara. Scheme No. ADM/3/384), Gujarat, India is gratefully acknowledged.

I wish my sincere thanks to Prof. A. N. Misra, Professor and Head of the Pharmacy Department, and to Prof. M. R. Yadav, Coordinator, G. H. Patel Building, Pharmacy Department for extending all the facilities during the present study. No words can express my gratefulness to Dr. R. S. R. Murthy, Professor of Pharmaceutics; Dr. S. H. Mishra, Professor of Pharmacognosy; Dr. R. Balraman, Professor of Pharmacology; Dr. (Mrs.) S. J. Rajput, professor of Pharmaceutical Quality Assurance; Dr. (Mrs.) K. K. Sawant, Professor of Pharmaceutics; Dr. P. A. Nagar; Mr. S. P. Rathod; Dr. (Mrs.) R. Giridhar; for their valuable suggestions during the research work.
I would like to place on my record, my special thanks to Mr. Vijay Satariya, Mr. Yogesh Rane, Mr. Ashutosh Pathak, Mr. Sanir Patel, Mr. Adhvaat Dixit, and Miss Arati Thakkar with whom I enjoyed my lab work and their company really kept me enthusiastic throughout the day to complete my research. I would like to acknowledge Mr. Punit Shah, Mr. Atul Badhan, Mr. Nagraj, Miss Pallavi Rai for being my colleague to discuss most theoretical aspects. I was also accompanied by Miss Arati Thakkar in extra-curricular activities to refresh ourselves from routine schedule. During the course to study all of us were always eager to create friendly environment and help each other in all possible ways one can.

A note of this kind cannot end without a word of appreciation and thankfulness to my colleagues Jayesh Majithiya, Ritu Majithiya, Arvind Parmar, Pranav Shah, Hetal Prajapati, Roopa Prabhu, and jouniers Swetal Shah, Vijya Ninekar for their cheerful company, many helpful discussions and affection during the work. I am also grateful to all my coworkers in Pharmacy Department and other everyone who have helped me in some way other in the fulfillment of this work.

I express my heartiest thanks to Mr. K. D. Patel, Managing Director, Relax Pharmaceuticals, Vadodara; for his continuous moral as well as industrial support and special interest in our study by sponsoring some of the analytical testing facilities. I owe special gratitude to Mr. Gaarang Dza, Vaibhav Analytical Services Ltd., Ahmedabad, for providing HPLC facility. Also I am grateful to Mr. Dineshkhai (Maruti Chemicals, Ahmedabad), Dr. Jayant Dave (Apostle Remedies, Vadodara), Embrosiya Remedies (Vadodara) to help me in project by providing drugs and polymers, Mr. Swaminathan (Inkarp Instruments Pvt. Ltd, Vadodara) for making my analytical work successful with his kind help of HPLC columns.
I would be failing in my duty if I do not express my gratitude to all my family members, who stood by me always and giving me moral support. Adequate words are not found to express my deep sense of feelings for the love, encouragement and help rendered to me by my Parents and Brother (Krunal) for their enormous patience they put forth during my study. It was moral support and constant motivation by my beloved father which encouraged me in completing my research work successfully. I am also indebted to my parents-in-law and brother-in-law for their social and moral support.

How can I forget my husband, Mayur, for being always with me for constant guidance and inspiration in the field of digitalization of my research work along with constructive discussion as a colleague and as a friend? He always keep his shoulder ready to put my head there, during the days of intense frustration and shared in my happiness and sorrows in academic as well as personal life.

Above all, I thank God for giving me the strength, perseverance and opportunity to carry out this work to the best of my ability.

Finally it is inevitable in this project, that omissions, occasional errors and lapses in the accuracy of interpretations might have escaped detection. I hope that any mistakes are minor and minimum and I accept the full and exclusive responsibility for them.

Mrs. Jolly M. Sankalia