ACKNOWLEDGEMENTS

Ever since the earth has taken birth and man emerged on it an unending quest to unravel truth-the research is continued. It has widened human vision-opens newer avenues and lightened the dark-obscure facts of mysterious universe. This work or this thesis is a fruit of infinite encouragement, infallible guidance, and unstinted co-operation received from multidirectional-aiming for a unidirectional goal. Today at this junction I feel almost on top of the world; having the sweet fruit of six years of hard work in form of my THESIS.

No research has been over an outcome of a single individuals talent or efforts. I grab the opportunity to pen down few words of expression from core of my heart for all the people who involved directly or indirectly in making my aim a success.

With a deep sense of gratitude, I express my indebtedness to my guide, Prof. R. S. R. Murthy, Professor of Pharmacy Department, Faculty of Technology and Engineering, M.S. University of Baroda, for his invaluable guidance, kind cooperation, immense patience and constant motivation through out the course of this study. A shining light, he guided me through days of intense frustration and shared in my happiness when efforts bore fruit. He has been a true guide to me both academically and personally. Sir, I wholeheartedly thank you for all that you have done for me.

My sincere thanks are also due to Prof. S.H. Mishra, Ex-Head, Pharmacy Department, Faculty of Technology and Engineering, M.S. University of Baroda for providing me with the necessary facilities.

I am extremely grateful to Prof. A.N. Misra, Professor of Pharmacy and Head, Pharmacy Department for his valuable support during this course of study.

No words can express my gratefulness to Chairman, Charutar Vidya Mandal, Hon. Secretary, Charutar Vidya Mandal, Dr. B.G. Patel, Director, ISTAR, Vallabh Vidyanagar for their cooperation during work.

I especially would like to thank Dr. A.K. Saluja, Principal, A.R.College of Pharmacy, Vallabh Vidyanagar for his invaluable help during in-vivo studies.

With respect, I want to thank Dr. R.Balraman, Prof. in Pharmacy, Dr. (Mrs.) Krutika K. Sawant, Dr. (Miss) R.C. Mashru, Dr. (Mrs.) Vandana B. Patel, Shri Kamlesh Dudhara for their valuable support during the course of this study.

I must make a special mention of few people who have contributed immensely towards my work. I would like to thank Dr. M.R. Patel, Dr. M.C. Gohel, Dr. G.K. Jani, Dr. R.H. Parikh, Dr. (Mrs) J.R. Parikh, Dr. K.K. Bhatt, Dr. N.P. Chotai, Mr. R.S. Mehta, Mr. L.D. Patel, Dr. Ashwin Rao, Kiran S. Chodhary, M. Ravichandran for their kind support and cooperation in one or any way during this work.

Thanks are due to the other teaching and non teaching staff members of Pharmacy Department, Faculty of Technology and Engineering, M.S. University of Baroda and A.R. College of Pharmacy V.V. Nagar for the help and encouragement rendered to me during these investigation.

I am very much grateful to Vital Pharmaceutics V.V.Nagar, Sun Pharmaceutical Industries Ltd. for providing Chloroquine Phosphate and Mefloquine Hydrochloride as gift samples respectively and Cadila Zydus for providing animals for in-vivo study.

And my thanks are also due to my family members my father, Harsha, Meet and Khushi who have tolerated me long hours, my moods, my lapses but never failed to encourage me.

Vishnu A. Patel.