Acknowledgement

No research is ever the outcome of single individual’s talent or efforts. I have seen and experienced the countless blessing showered on me by my parents, all family members, teachers, friends and all my well-wishers knowing the God’s hand is there, always guiding me and leading me to greater heights. It provides me pleasure to convey my gratitude to all those who have directly or indirectly contributed to make this work a success. I must make special mention of some of the personalities and acknowledge my sincere indebtedness to them.

Teacher is a guide, philosopher and friend, which I could experience in my respected dear and esteemed guide Dr. J. K. Patel, M. Pharm., Ph.D., LLB, FICS, Professor of Pharmaceutics and Principal, Nootan Pharmacy College, Visnagar with deep sense of gratitude. I thank him for providing unceasing encouragement, precious and erudite suggestions and directions, constant and untiring guidance along with the freedom of work that he gave me. To work under the guidance of such a eminent person has been a great and inexplicable experience, which will go a long way down my memory lane in my life. My heartily thanks go to him.

I wholeheartedly express my sincere gratitude to Dr. N. J. Patel, Principal, S. K. Patel College of Pharmaceutical Education and Research, Ganpat Vidyanagar, for extending all the facilities, valuable suggestions and help provided to carry our animal study.

Words are an inadequate medium to express my deep sense of gratitude to Dr. N. R. Sheth, Professor and Head, Department of Pharmaceutical Science, Saurashtra University, Rajkot for his keen interest, propelling inspiration, informative and critical discussions, valuable suggestions and directions, selfless support and persistent encouragement throughout this investigation. Right from deciding the title of thesis, He always motivated me, shred his valuable ideas with me and kept the environment charged. It would be right to honor him as co-guide for this investigation.
I can’t forget smiling encouragement throughout and enthusiasm of **Dr.M.C. Gohel**, Principal, L.M.College of Pharmacy, Ahmedabad. It gives me immense pleasure to express my sincere gratitude for their constructive criticism and continuous encouragement throughout the tenure of my study.

I am extremely thankful to **Dr.M.R.Patel**, Managing director, Restech Laboratories, Ahmedabad for providing gift samples of chemicals, critical suggestions, and continuous guidance through out the investigation.

Memories play an important part in keeping special people close at heart. I can’t forget the sweet memories of the time that I have spent with my colleagues, friends and faculty members of B.K.Mody Government Pharmacy College **Shri M.A.Aghera, Shri N.T.Purohit** and **Shri D.M.Joshi**. I owe a lot to them for valuable suggestions, constant moral support, kind co-operation and timely help in the fulfillment of this research work.

I convey my heartfelt thanks to **Mr. Ashwin Dudhrejiya, Mr.Nilesh Patel, Mr. Mihir Raval**, Department of Pharmaceutical Science, Saurashtra University for their moral support.

I wish to thank all the staff members of my college for their involvement and friendly attitude during my work.

I would like to mention names of **Dr.V.A.Patel**, Vallabh Vidyanagar for their help provided to carry my scanning electron microscopy of samples.

I special thanks to **Dr.H.M.Tank, Dr.G.K.Jani, Dr.N.P.Jivani, Dr.K.R.Vadaliya, Dr.R.K.Parikh, Dr.R.H.Parikh, Dr.B.N.Suhagia, Dr.M.M.Patel, Dr. P.D Bharadia** and **Dr L.D.Patel** deserve a special words of praise for all the help they render throughout the course of my work.

I thank **Mr.Bakul Joshi**, Storekeeper and **Mr. N.P.Joshi**, Librarian for his constant help in procuring required materials and books for the research work. I acknowledge with gratitude the help and support I received from my wife, **Rajeshree** who suffered a lot to keep me free from social responsibility and her constant emotional support is the actual driving force that enabled me to reach this stage today. I can never forget to appreciate little but loving help of my daughter **Dr.Rutwa** and my son **Rutvik**.

**Jayant R.Chvada**