

## ACKNOWLEDGEMENTS



*This thesis arose in part out of years of research that has been done since I came to Professor Ambikanandan Misra's group. By that time, I have worked with a great number of people whose contribution in assorted ways to the research and the making of the thesis deserved special mention. It is a pleasure to convey my gratitude to them all in my humble acknowledgment.*

*In the first place I owe my deepest gratitude to my mentor, Dr. Ambikanandan Misra, Professor in Pharmaceutics, Pharmacy Department, The Maharaja Sayajirao University of Baroda for his supervision, advice, and guidance from the very early stage of this research as well as giving me extraordinary experiences through out the work. Above all and the most needed, he provided me unflinching encouragement, requisite facilities, and support in various ways. His truly scientist intuition has made him as a constant oasis of ideas and passions in science, which exceptionally inspire and enrich my growth as a student, a researcher and a scientist want to be. I am indebted to him more than he knows.*

*I am heartily gratified to Honorable Sir Sayajirao Gaekwad, the founder of The Maharaja Sayajirao University of Baroda, for establishing such a wonderful and multidisciplinary education foundation and Pharmacy Department, The Maharaja Sayajirao University of Baroda, which nurtured me from high school pass out to graduate, graduate to post graduate and post graduate to PhD research fellow.*

*I would like to record my gratitude to Prof. M.R. Yadav, Head and Professor, Pharmacy Department, The Maharaja Sayajirao University of*

*Baroda for providing me the necessary facilities for the research work, Dr. (Mrs.) Rajani Giridhar, Professor in Pharmaceutical Chemistry, Dr. (Mrs.) K.K. Sawant, Professor in Pharmaceutics, Dr. (Mrs.) S.J. Rajput, Professor in Pharmaceutical Quality Assurance and Dr. R.C. Mashru, Reader of Pharmaceutical Quality Assurance, Dr. (Mrs.) Hetal Thakkar, Lecturer in Pharmaceutics, Mrs. Hemal Tandel, Lecturer in Pharmaceutics, Pharmacy Department, The Maharaja Sayajirao University of Baroda for their invaluable support during the research work. My sincere thanks are due to the Dean, Faculty of Technology & Engineering, The Maharaja Sayajirao University of Baroda, for providing me necessary facilities.*

*I am extending my sincere thanks to Dr. A.K. Mishra, Joint Director, Head – Division of Cyclotron and Radiopharmaceuticals, INMAS, Delhi, for his constant encouragement and support during my course of work at INMAS, Delhi.*

*I am heartily gratified to Dr. Rashi Mathur, Mrs. Krishna Chittani, Dr. N.K. Chaudhari, Mr. Athar, and Mr. Amit for their help during my work at INMAS, Delhi*

*I am very thankful to All India Institute of Medical Sciences (AIIMS), for help in obtaining the transmission electron micrographs.*

*I also express my gratitude to All India Council for Technical Education (AICTE) for providing me "National doctoral Fellowship" for my research work.*

*I would to special thank to my well wishers, Dr. Vandana Patel, Dr. Nazneen Surti for providing me honorable support to complete my research work,*

*I would to thank to my all colleagues, Mrs. Gitanjali Kher, Ms. Kiruba Florence, Mrs. Sonia Trehan, Mr. Nirav Khatri, Mr. Bhavik Shah, Mr. Divyen Shah, , Mr. Gaurang Patel, Mrs. Manisha Lalan, Mr. Himanshu Agrawal, Mr. Atul Kolte, Mr. Girish, Mr. Chetan, Mr. Jigar Lalani, Mr. Kaustubh Jinturkar, Ms. Nipa Thakkar, For their fruitful advice and constant co operation.*

*I take a special note of thanks to all office and Laboratory staff of the G. H. Patel Building and Pharmacy Department, Kalabhavan, The Maharaja Sayajirao University of Baroda for their constant support during my studies. Thanks are also due to Office staff, Faculty of Technology & Engineering and The Maharaja Sayajirao University of Baroda for there support and cooperation.*

*I am feeling out of word to code an appropriate thanks to parents, my brother and my sisters. It was the love and indispensable support of my family who despite all inconvenience and typically perpetual insolence provided me with the best possible of every thing in my ascent to the present accomplishment. I heartly take this opportunity to express my special thank to Dr. Sachin Naik for his motivating support and help to fulfill the completion of my thesis work,*

*Last but not the least, I thank my spiritual Guru "Saibaba" and "Shri Asaramji Bapu" for empowering me with courage and strength to take up and accomplish the task.*

*Finally, my sincere apologies to all those; whose name could not be included in this section. No names have been intentionally missed out.*

***Deepa Patel***