

Acknowledgement

The joy, satisfaction and euphoria that come along with successful completion of any work would be incomplete unless we mention the people who made it possible, whose constant guidance and encouragement served as a beam of light and crowded out efforts.

Today, at the acme of my dissertation, I take this privilege and pleasure to acknowledge the contributions of many individuals who have been inspirational and supportive throughout my work and endowed me with the most precious knowledge to see success in my endeavour.

It is my privilege to utilize this golden moment and bow myself to acknowledge my mother **Mrs. Meenaben** and my father **Mr. Bhupendrakumar Bhavsar**, for providing me an opportunity to pursue my higher education. It is indeed a privilege to express a deep sense of gratitude towards my brother **Mr. Harshil**, sister in law **Mrs Jimmy** and my niece **Dhyani**; I thank them for their love, trust, patience unconditional support and encouragement to pursue my interests.

I take this opportunity to express my heart-felt & deep sense of gratitude with sincerity to my esteemed guide and mentor **Dr. (Mrs.) Krutika K. Sawant**, Prof. & Head, Dept of Pharmacy, Faculty of Pharmacy, The Maharaja Sayajirao University of Baroda, Vadodara; for her inspiring and instrumental role in providing me the research & infrastructure facilities at the college and encouragement for the successful completion of my project work. I am in short of words to thank her for her erudite guidance, faith and affection bestowed upon me throughout my research work.

I express my profound & deep sense of gratitude towards **Dr. Vijay Patel**, Veterinary officer, Animal Disease Investigation Unit, Vadodara, **Dr. Meenu Patel**, Dean, GMERS, Vadodara, **Dr. Premnath Hiruyar**, Head, Pathology Department, GMERS, Vadodara, **Dr. Ashutosh Chauhan**, **Dr. Pankil** and **Dr. Lalitha**, Biochemistry Department, GMERS, Vadodara, for providing timely help and solving my problems by allowing the use of their facilities.

I express my immense sense of gratitude to **Dr. S. J. Rajput**, Dean, Faculty of Pharmacy and **Dr. Kirti Patel**, Coordinator, G.H. Patel Pharmacy building, **Dr. M. R. Yadav** and **Rathod Sir**, and all the staff members for their help, useful suggestions and precious direction whenever required during the research.

I am obliged to **Lady Tata Memorial Trust** for providing the fellowship and funds for successful completion of this study. I would also like to thank **Dr. Ajay Khopade**, Vice President, R&D, Sun Pharma Advanced Research Company Ltd., for providing gift sample of the drug.

I am grateful to **Rahul Bhatt**, Chemistry Department, Faculty of Science, for his help throughout the study. I would also like to thank **Prachi Karia, Abhijeet Pandey, Ritu Kudrha, Ravi Gandhi, Kinjal Parikh, Nirav Patel, Dushyant Patel, Mohit Mahajan, Trupti, Priya, Seema, Mansi and Hardik Sawsani** for providing their time, chemicals or apparatus and their positive attitudes which have directly or indirectly contributed in my work. I express my whole hearted thanks to all other friends from different departments for their help, encouragement and constant support.

I would also like to acknowledge all the **non-teaching staff members** and **office members** for their unending support.

Above all, I thank **God almighty** for showering his infinite bounties, graces and mercies upon me. Once again I would like to thank all those mentioned & those that have unknowingly failed to mention in making this project a worthy endeavor.

Date

Dhaval Bhavsar