

Acknowledgments

I thank God for allowing me this great opportunity at such a great institution. Not a leaf does shake without HIS will. So I bow my head in front of the Omniscient and the Omnipresent and humbly seek THY goodwill. Of an equal eminence is my Supervisor (Prof. M. R. Yadav), who is no lesser God for me. I thank him for all the guidance he has provided me so far, academically and personally. His criticisms & attitude were always positive, always opening a new way when I was at roadblocks during my research work. I thank Prof. R. Balaraman for the help and motivation he has provided me throughout. His enthusiasm for experiments always encourages me. I also thank Prof. Giridhar, who always feels that I am adept enough for any work and has deep faith in my work. I also put on record the spirit of Shri. S. P. Rathod (Associate Professor, Pharmacy Dept., MSU). It is his spirit that is responsible for motivating many people like me.

I thank my mom, dad and grandpa for their unconditional support, love and boundless faith. Without them even a fraction of this work would not have been possible. Words will not justify the friendship of Andy and Paresh. The teas, sodas and food with them were real stress busters. Regular calls from Naeem allowed me to share all the things with him. Bhaijaan, our bond is so strong that even without talking we understand each other. Mistry-Rinal and vivek is another small family that I have in Baroda. I cannot forget the times I have spent with Vishal-Meghana, Pandya-Priyanka, Mehul and Sneha. How can I forget the Castle Gang? Riyaj Sir and Jaggu dada have shared my happiness, fun and sorrows altogether. They were my respite at the hostel. Only a few lucky people have the opportunity to work with Juniors like Jinal and Variya. They were the life of the lab and one year spent with them was one like which should never end. They sealed a lifelong bond within that year of limitless fun, exhaustive experimentation and swearing. I also acknowledge the presence of Mr. Anshuman Sinha who has many names to be called for: storyteller, weatherman, etc. His presence instilled a sense of enthusiasm among the juniors. Mr. Jatin Machhi has been a true friend who shares my philosophy and is not hesitant to call a-spade-a-spade. His ability to face the truth is really inspiring for me. I thank Mr. Abhishek Pathak for his brotherly attitude towards me and helping me out-of-the way. Sanskriti bhabhi was always a source of fun and good food. Mr. Abhinesh Kumar, is like my mate. We