

## ACKNOWLEDGEMENTS

I take this golden opportunity to express a deep sense of gratitude to my esteemed guide, Prof. R.S.R Murthy, Pharmacy Department, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara, who welcomed me with an open mind and provided me the opportunity to further strengthen my research education in his research group. I am very thankful for his outstanding professional and enthusiastic guidance and for giving me the freedom required for the success of this scientific project. Through all phases I always had the feeling to be in good hands with an overall encouragement.

It gives me immense pleasure to express my heartfelt thanks to Prof. M. R. Yadav, Prof. Ambikanandan Misra, Prof. R. Balaraman, Prof. S.H. Mishra, and Prof. (Mrs.) Krutika Sawant, Pharmacy Department, M. S. University of Baroda, Vadodara, for their kind guidance and cooperation during this study.

I wish to express my sincere thanks to Prof (Mrs.) S J Rajput, Prof. (Mrs.) Rajani Giridhar and Dr. Rajashree Mashru, Pharmacy Department, M. S. University of Baroda, Vadodara for their support during this work.

My sincere thanks are due to the Dean, Faculty of Technology and Engineering, M. S. University of Baroda, Vadodara, for providing me with the necessary facilities required for my research work.

I wish to convey my sincere thanks to Dr. A.K.Mishra, Scientist "F", A.K Babbar, Ankul Kaul and Krishna Chutani, Institute of Nuclear medicine and Allied Sciences, New Delhi for their constant support and constructive suggestions throughout my work at INMAS.

I would like to express my deepest thanks to Dr. Sweta Srivasthava, Post Doctoral fellow, Prof. Sudher krisna, Mr. M.R Shariff and Lab members of Sudher Krishna Lab, National Centre for Biological Sciences (NCBS), Tata Institute of Fundamental Research (TIFR), Bangalore, for training me on cell line techniques.

I wish to convey my sincere thanks to Dr. K.S Rajesh, Head Dept. of Q.A, ISF College of Pharmacy, Moga. Dr. Vijay Kanth, Research Scientist, Intas

Pharmaceuticals, Ahmadabad for their constant support and constructive suggestions throughout my studies.

I am grateful to the All India Council for Technical Education (AICTE), New Delhi, Government of India, for providing financial support as National Doctoral Fellow (NDF).

I owe special thanks to the Dr. Vijay I Kulkarni, Mr. S.V Rajesh and Research Scholars of Dr. V.S Hall, The M.S. University of Baroda for helping me during my research work.

I would be remiss on my part if I don't acknowledge the help and support extended by my colleagues directly or indirectly at various stages of my work.

I express my sincere thanks to the entire non-teaching staff of Pharmacy Department, for their co-operation.

My heartfelt gratitude to my dearest parents for their kind blessings, unbound affection and constant inspiration. No thanks would be enough to appreciate and the moral support shown by my brothers that I could complete my work without hassles.

My special thanks to S.V.S Subramanya Gupta and managing trustee of CVMS Hostel, Avenue Road, Bangalore.

Last but not the least I thank Almighty for his unlimited favors showered upon me.

**VENKATARAJU M. P.**