

ACKNOWLEDGEMENT



"Trust should be like the feeling of one year old baby when you throw him in air; he laughs because he knows you will catch him".

Research is a never ending acquisition of knowledge or data, which cannot be done solely by any single person without the help of others. It is a pleasant aspect that I have the opportunity to express my thanks to all of them.

At the outset I express deep gratitude to my respected and beloved research guide, Prof. R.S.R. Murthy, for his invaluable guidance, unfailing optimism and constant inspiration throughout the course of study. I thank him for having faith in my ideas and giving me the liberty to implement them.

It gives me immense pleasure to express my heartfelt thanks to Prof. M. R. Yadav, Head Pharmacy Dept, Prof. S. J. Rajput, Coordinator, Shri G. H. Patel Pharmacy Building, for their kind co-operation during the study.

I wish to express my sincere thanks to Prof. Krutika K. Sawant, and other teaching staffs for their kind co-operation during the study.

My sincere thanks to Prof A. N. Misra, Dean, Faculty of Technology & engineering, The M. S. University of Baroda, for providing me the necessary facilities required for my research work.

I owe special thanks to Dr. Rajiv P. Gude, Project Investigator, Advanced Centre for Treatment, Research and Education in Cancer (ACTREC), Navi Mumbai, who allowed me and supported me a lot to carry out in-vitro cell line and animal work at his laboratory. My special cordial thanks to Peeyush, Zahid, and Shimul, my fellow scholars, for educating me in the field of basic science and their support in the lab during my studies at ACTREC. I also wish to thank specially Yuvraj Nikam, he taught me handling of cell lines and other protocols, and Mr. Manohar Parkar, for helping in handling and sacrificing animals. I extend my sincere thanks to technicians of flow cytometry facility, confocal facility, and animal house at ACTREC.

My special thanks to All India Council for Technical Education (AICTE), India, for grant support.

I extend my thanks to Fresenius Kabi oncology Limited, Gurgaon, India, for providing me the gift samples of docetaxel, 7-epidocetaxel, and 10-oxo-7-epidocetaxel. I also thank Lipoid GMBH, Ludwigshafen, Germany, for providing me gift samples of phospholipids.

I extend my heartiest and dearest gratitude to my colleagues Sandip, Kailash, Deepa, Prudvi, Mukesh Ukawala, Jigar, Mukesh Kumar, Nirav, Mohan, Girish, Atul, Chetan, Dipesh, Vijay Powar, Garima, Abhinesh, Rakhi, and other colleagues for their valuable technical assistance and moral support. I would like to express my sincere and special thanks to Kinjal Makwana, M. Pharmacy student, for assisting in my project throughout the year.

I am also thankful to the entire non-teaching staff of Pharmacy Dept, for their cooperation throughout my research work.

Above all, I express my profound sense of appreciation to my beloved parents, who raised me with love and affection and taught me the truth, honesty and true meaning of generosity. I am truly indebted to my parents, my closest aides and ally, for their love, support, encouragement and confidence in me. I don't think words can express how much of influence they have had on my life and their undying optimism has boosted my morale. I feel proud and content to bow at their feet. A word of thanks to all those gentle people associated with this work directly or indirectly whose names I have been unable to mention here as they are like the countless stars in numerous galaxies.

From the deepest core of my heart and soul, I am highly grateful to God, the almighty, for giving me courage and strength to face the most difficult times of life. I thank him wholeheartedly for answering my prayers in special way and for all that I have achieved till date in my life.

Last but not the least, this acknowledgment will be incomplete if I don't mention the animals who sacrificed their life for my experiments.

Thank you to one and all-----

Date:

Place: Baroda

MANJAPPA A.S

