

ACKNOWLEDGMENTS

Right from conceptualization to reality, this thesis owes its existence to the help, support, and inspiration of many 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 all of them in my humble acknowledgment.

In the first place I would like to express my sincere gratitude to Distinguished **Professor A.K. Madan**, M.Pharm. (Pharmaceutics), AMII Chem. E., FIC, Ph.D. (Chem. Engg.) (IIT, Delhi), Dean, Faculty of Pharmaceutical Sciences, M.D. University, who has been my teacher and mentor since 1988, for his extraordinary scientific guidance, understanding, and encouragement. I am extremely privileged to have benefited immensely from his scientific dedication, insight and interpretation. Above all and the most needed, he provided me unflinching support in times when I needed it most. I shall cherish his mentorship forever.

My sincere thanks are due to **Dr. Arun Nanda**, Head of the Department, for providing me facilities to conduct my work and for constant encouragement

I am especially grateful to **Mr. R.M. Mehta**, Principal, GVM College of Pharmacy for his sincere inspiration and support throughout the tenure.

I am deeply indebted to **Mr. Vijay Arora**, Managing Director and **Dr. R.A. Singh**, Director, Technical, Arbro Pharmaceutical Ltd., Delhi for providing me free and uninterrupted access to all the facilities available with them. I am also thankful to **Mr. Arvind Gupta**, Managing Director, Pharmasynth Formulations Ltd., Haridwar, and **Mr. S.D. Garg**, Systochem Laboratories Pvt. Ltd., Gaziabad, for allowing me to utilize their facilities.

I am also thankful to **Dr. Manjeet Jasal**, Assistant Professor, Department of Textile Engineering, IIT, Delhi, for allowing me to get conducted X-Ray Diffraction studies of samples in her lab.

I wish to record my sincere thanks to **Dabur Research Foundation**, Sahibabad for allowing me to conduct photostability studies of the samples. I am also thankful to **Mr. Singhal** for helping me with the photostability studies.

I am thankful to **Dr. Chiranjeev Bal**, Director, Technical, Roorkee Research and Analytical Labs, for helping me with HPLC analysis of drug samples. I am also thankful to **Dr. Gajender Singh**, Head, Department of Pharmacy, PGIMS, Rohtak, for introducing me to **Dr. Bal**.

It is a pleasure to pay tribute also to the sample collaborators. I am thankful to **Bal Pharma**, Bangalore for providing me the gift sample of Amiloride hydrochloride, to **Neuland Laboratories**, Hyderabad for the sample of Enalapril maleate, to **MacLeods**

Pharmaceutical Ltd., Mumbai for the sample of Nicorandil and for arranging the sample of Glipizide from Bal Pharma, Bangalore, and to **ABL Biotechnologies Ltd.** Chennai, for the sample of Isotretinoin.

I am thankful to **Harish Dureja** and **Vipin Kumar** for their co-operation and support throughout the tenure.

I wish to record sincere thanks to **Mr. Y.P. Gupta**, Statistician, former faculty member at Delhi School of Economics, Delhi, for his invaluable assistance with statistical analyses.

It is pleasure to acknowledge **Dr. (Mrs.) Madhu Madan**, for her affection and constant motivation.

I am indebted to my parents for their care and love. Although they are no longer with us, they are forever remembered. I am sure they share our joy and happiness in the heaven.

My deepest gratitude goes to my family for their unflinching love and support; this dissertation would have been simply impossible without their support. Words fail me to express my appreciation to my husband Naveen, whose dedication, love and persistent confidence in me, has taken the load off my shoulder. I am thankful to my daughter Nitika and son Anshuman for their love and self-sacrifice, which was more than what could be expected from kids of their age. They shared with me all the happiness and difficulties.

I am thankful to my sister-in law Sonika, sister Vimmi, for their constant motivation. I am proud of support of my friends Manish Diwan, Ashish Gogia, Kavita Sharma and Poonam Sethi.

Finally, I would like to thank everybody who was important to the successful realization of thesis, as well as expressing my apology that I could not mention personally one by one.

The chain of my gratitude would be definitely incomplete if I would forget to thank the first cause of this chain, The Prime Mover. My deepest and sincere gratitude for inspiring and guiding me.



19/6/07

(Seema Mendiratta)