ACKNOWLEDGEMENTS

All of life is a journey which paths we take, what we look back on, and what we look forward to is up to us. We determine our destination, what kind of road we will take to get there, how happy we are when we get there. Now is a moment when I have got an opportunity to express my gratitude to all of them.

No endeavour can be initiated and completed without the blessings of the Almighty. My foremost thanks to God for helping me through difficult times, for the guidance through all my life and for His blessings to materialize my dream.

I am deeply indebted to my supervisor, Dr. Sanju Nanda, Reader, Department of Pharmaceutical Sciences, M.D. University, Rohtak, for embarking with me on this academic pursuit. During this supervised period I have known her as a sympathetic and principle-centered person. Her overly enthusiasm and integral view on research and her mission for providing 'only high-quality work and not less', has made a deep impression on me. She has not only added color to my future but also she has added flavor to my work. As a protective colloid she has protected me whenever required and preserved me during trouble. I could not have wished for a better mentor. Her contributions, detailed comments and insight have been a great value to me. Thanks for her guidance, support and continuous encouragement and I am sure, it will be continued after submission of this thesis also.

My heartiest thanks go to Prof. Arun Nanda, Head, Deptt. of Pharmaceutical Sciences and Dean, Faculty of Pharmaceutical Sciences, M.D. University, Rohtak, for valuable suggestions provided by him, throughout my research work and for providing me the opportunity and all necessary facilities to accomplish this endeavor successfully.

I wish to express my sincere thanks to Prof. Ashok Kumar, Principal, M. M. College of Pharmacy, Maharishi Markandeshwar University, Mullana (Ambala) for his co-operation during my research work.

I owe my special thanks to Prof. Anroop B. Nair Department of Pharmaceutical Sciences, Maharishi Markandeshwar University, Mullana
(Ambala) for giving me His valuable and ever-available guidance throughout the course of study.

A special thanks to Dr. Prem Kumar, Deptt. of Pathology, Maharishi Markandeshwar University, Mullana (Ambala), who helped me to carry out histopathological studies and interpreting the observations.

I am grateful to all the Faculty members in the Deptt. of Pharmaceutical Sciences, M.D. University, Rohtak, especially Mr. Rakesh Kumar Marwaha, and non teaching & Office/Library staff for their consistent support and genuine help during the period of this work.

A big “thank you” goes to Mr. Vishwanath, Research Scholar, Deptt. of Pharmaceutical Sciences, M.D. University, Rohtak, for sacrificing extra hours to help with HPLC studies.

I am grateful to Jubilant Organosys, Noida for providing the drug sample Losartan Potassium for my work.

I want to give a special thanks to Dr. Kanchan Kohli, Deptt. of Pharmaceutical Sciences, Jamia Hamdard, Delhi for her timely help and guidance during pharmacodynamic studies.

Finally, I owe my gratitude and obligation to my parents, brother Anurag and bhabhi Sarita for their love and encouragement. The inspiration, enthusiasm and passion of attaining higher education is the outcome of their massive contribution. Above all, this work could not have been completed without the help, courage, love, synergy and morale boosting provided by my husband Mr. Karmveer Singh at each and every stage of my work and my sweet son Rijanshu for his unanswerable questions. This dissertation is the complete reflection of their sincere efforts.

Words cannot say it all but my heartfelt thanks to all of them.

Date: Rekha