Acknowledgements

“I just want to thank everyone who made this day possible”

It transcends all barriers of written words to express my profound sense of gratitude to my scholarly guide, Dr. K.K. Verma, Professor, Department of Chemistry, Maharshi Dayanand University, Rohtak for immense help in planning and execution of the research work. His overly enthusiasm, ever available and integral view on research and his mission for providing ‘only high quality work and not less than’ has made a deep impression on me. It is my privilege to have worked under him due to his affectionate attitude and incessant inspiration.

I am grateful to Past & Present Heads of the Department of Chemistry, M. D. University, Rohtak for providing necessary facilities. I would like to extend my profound gratitude to all my teachers for their constant encouragement and useful discussions.

The contribution of all my fellow research scholars, Shashi, Jitender, Hariom, Komal, Yameeka, Suman, Sunil, Sonia, Jaibir, Neeti, Ritu, Praveen, Ashish, Preeti & Amit, deserves special mention because they provided me with the required youthful zest, so necessary for the completion of a thesis.

I would also like to acknowledge the official staff of the department, particularly Mr. A. S. Lakra, Bhushan Kumar, Ganesh Dutt, Mahender Singh, Deshraj, Subash Chand & Shanti Swaroop.

It became possible to complete my thesis only because of full co-operation of my In-laws, my parents, brothers Ankish and Sandeep in my working, throughout my busy days. This thesis is dream of my mother who always stands for me. She
always taught me never to give up and think positive even in worst. She has instilled values in me that will get me through life's hardest challenges.

I have reserved very special thanks for very special persons in my life. My cutie-pie daughter whose unforgettable and ever memorable sacrifice encouraged me to give final shape to thesis. I also express my sincere thanks to my Bhabhi for her encouragement in getting this work completed.

No words can adequately express my gratitude to my husband Ramesh Kumar. It was just impossible to achieve this without his patience and moral support. You are proof that fate has definitely dealt me the winning hand! Thanks for everything.

Not all names and emotions can be expressed in words. I take this opportunity to apologize to all those friends whose names have not appeared here.

I wish to express my thanks to Mr. Sanjay Rathee, Rathee Computer, Delhi Road, Rohtak for typing the thesis with great care and patience.

And lastly, the financial assistance from Maharshi Dayanand University, Rohtak is gratefully acknowledged.

Rohtak

(NITU)

Dated: 21.09.2010