Thanks giving is a pleasant job but it is nonetheless difficult when one sincerely tries to put them in words. These humble words, expressions and gratitude cannot really convey the deep feelings of the heart.

I am short of words to express my deep sense of gratitude and profound indebtedness to my teacher and supervisor Prof. Ishwar Singh, Head, Department of Chemistry, M.D. University, Rohtak for his keen interest in the preparation of this thesis. I remain indebted to him for providing me all necessary facilities in the department. I shall forever consider it a privilege to have worked with him.

I am highly thankful to Dr. J.K. Makrandi for his valuable guidance time to time and Dr. K.C. Singh for his encouraging comments.

I must express my hearty thanks to Dr. Pratap Kadyan and Sh. J.S. Jakhar who rendered me a great help in my work.

I shall be missing something without conveying my heartiest thanks to my research colleagues and friends - Dr. (Mrs.) Anita Phor, Dr. Rakesh K. Saini, Sanjiva and Ms. Dayawati for their co-operation.

I am also thankful to all other faculty members of the Chemistry Department, M.D. University, Rohtak for their help in the process of the completion of the present work.

Thanks are also due to Mr. Sanjiv Saini, Prop. Pixel Computers, Opp. Jeewan Eye Hospital, Rohtak-124001 for nice Laser type Setting.

The words available for thanks are very much insufficient for a person who rendered me extraordinary help, support and co-operation during
the tough course of research work, that is my mother-in-law Mrs. Ram Rati.

I would like to grab this opportunity to express my deep sense of gratitude to my father-in-law for his constant inspiration and my mother for looking after my little daughter. I feel immense pleasure in expressing my heartiest thanks to rest of the family members for their timely help.

It is the time to remember my father whose silent expectations made me complete this work even after the great ordeals I faced during my work.

In the last but not the least I am highly indebted to the Almighty God for his Grace and Mercy.

Sushma