ACKNOWLEDGMENT

It gives me great pleasure to express my heartiest gratitude and indebtedness to my supervisor, Prof. V.K. Saxena, D. Phil (Alld.), D.Sc., F.I.C., Professor of Chemistry, Dr. Harisingh Gour University, Sagar (M.P.), for taking keen interest, constant encouragement, valuable guidance and necessary suggestions, which helped me to carry out this work in the present form.

It is a pleasant privilege for me to express my sincere thanks to Prof. S.P. Banerjee, Head, Department of Chemistry for providing necessary laboratory facilities to carry out the present investigations.

My heartfelt and sincere thanks are also due to Dr. R.N. Yadav, Assistant Professor of Chemistry, Dr. H.S. Gour University Sagar, for his constant inspiration and encouragement during the course of this investigations.

I extend my special thanks to the Director, Central Drug Research Institute, Lucknow, for recording the various spectra incorporated in this thesis.

It gives me great pleasure to express my sincere gratitude to my seniors and colleagues in the laboratory Dr. (Mrs.) Neeru Jain, Miss. Sapna Mukharya, Mr. Deepak Barsainya, Mr. Rajesh Singh, Miss. Alka Choubey, Miss. Ritu Jain, Mr. R.N. Sharma and Mr. D.N. Sharma for their kind co-operation and needful advise during my work.
I acknowledge with gratitude and affection the constant co-operation extended by my dear friends Jyotsna and Vandana throughout the work.

I feel highly obliged to Mrs. Neelam Saxena and Mrs. Sunila Yadav for their moral support and constant encouragement during this period.

My sincere thanks are due to my younger sisters Deepti and Manjri and my dear brother Manish for their inspiration and cooperation.

I wish to express my heartfelt thanks with gratitudes and deep sense of indebtedness to my respected loving Papa and Mummy for the patience, sacrifice, blessing and affection, extended to me during entire period of this work.

With the Grace of Shri Sai Baba and Mother I could cherish this work.

[Swati Nigam]