ACKNOWLEDGMENTS

I am indeed moved to express my deep sense of indebtedness to my honourable supervisor Prof. V.K. Saxena, D.Phil (Alld.), D.Sc. (Sagar), FIC, Professor of Organic Chemistry, Dr. Harisingh Gour University, Sagar (M.P.) for his inspiring guidance, valuable advice and constant encouragement throughout the course of my research work. It is impossible for me to give adequate expression to my gratitude to him.

I am immensely thankful to Prof. S.P. Banerjee, Head of the Dept. Chemistry for generously providing all facilities during the course of this work.

Grateful thanks are also due to Dr. R.N. Yadava, Assit. Prof. for his fruitful suggestions during experimental work.

My sincere thanks are also due to Director, CDRI, Lucknow and CIL, Sagar for their help in recording the various spectra.

Thanks are due to my brothers Ashish, Mohit, Rohit and my husband Sanjay for their moral boosting support and cooperation during my research work.

I have no words to express my gratitude towards my coworkers and friends Shri G. Dixit, Shri V. Saini, Shri S. Mondal, Shri R. Dave, Miss Abha Singh, Miss Sunu Mathews, Miss Manju Mishra, Miss Purnima Bhagwat and Seema Chaudhary for their needful advice and kind help even at the cost of invaluable time.

Thanks are due to Mrs. Neelam Saxena and extending a helping hand during the course of this research programme.

[ PREETI VERMA ]

M.Sc.