ACKNOWLEDGEMENTS

Not as a mere formality but with all humility and full reverence, I take this opportunity to record my gratitude to my revered teacher, supervisor and guide DR. SANTOSH KUMAR SRIVASTAVA, M.Sc.,D.Phil.(A.I.d.), LECTURER, DEPARTMENT OF CHEMISTRY, DOCTOR HARI SINGH GOUR VISHWAVIDYALAYA (FORMERLY UNIVERSITY OF SAGAR), whose learned and able guidance and indispensable for the completion of this work. He has always been a fountain of inspiration to me. His scholarly suggestions, ready help and gracious demeanour made it possible for me to bring this humble attempt to completion.

I am thankful to Head, Department of Chemistry, Doctor Hari Singh Gour Vishwavidyalaya, Sagar, for generous encouragement and for provision of all the facilities for carrying out the present work.

Acknowledgement of indebtedness is also due to Directors, C.D.R.I., Lucknow (U.P.), Regional Research Laboratory, Jammu-Tawi, Defence Laboratory, Gwalior (M.P.) and to Dr. D.S.Bhakuni, Head, Medicinal Chemistry Division, C.D.R.I., Lucknow (U.P.) for providing spectral and analytical data of the compounds discussed in this thesis.
It will amount to a great failure if the authoress does not express her deep sense of respect and thankfulness to my brothers and their wives, my brother-in-law, Mr. Surendra Kumar and my sister Miss. Kamlesh Saxena for their valuable cooperation and encouragement in absence of which the work would not have reached to completion.

I must express here my sincere gratitude to Dr. J.S. Chauhan, Department of Chemistry, University of Allahabad, Allahabad and to Dr. V.K. Agnihotri and Dr. (Mrs.) Mamta Pathak of this University for generous gift of few authentic samples of the compounds.

I am also grateful to Dr. (Mrs.) Savitri Devi Srivastava, Lecturer, Department of Chemistry of this University for constant encouragement, constructive and helpful comments and affectionate interest throughout the progress of the work.

I am also deeply grateful to the University Grants Commission, New Delhi for providing me a Junior and Senior research fellowships during the tenure of my research work.

Lastly, but certainly not least I wish to express my thanks to Mr. Sanjay Kumar Saxena, Mr. M.L. Khubchandani, Miss Sandhya Pitre, Miss Kalpana Rusia and Mr. Arun Kumar Jain my colleagues and my friends Miss Sharmila Chatterji, Mrs. Vibha Saxena and Mrs. Pratibha Saxena for their valuable suggestions and help.

( MISS. MIRA SAXENA )