ACKNOWLEDGMENT

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 Kaosphastava, M.Sc., D.Phil. (Alld.),
F.I.C.S., National Associate Fellow (U.G.C.), Lecturer,
Department of Chemistry, Dr. Hari Singh Gour Vishwavidya-
laya (formerly University of Saugar), Sagar, whose learned
and able guidance and indispensable for the completion
of this work. He was 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, University of Saugar for generous encouragement
and for provision of all facilities for carrying out the
present work.

Acknowledgement of indebtedness is also
due to Directors, C.D.R.I., Lucknow (U.P.), Defence
laboratory, Gwalior (M.P.) and Dr. D.P. 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.

This record of my debts will not be complete
without grateful mention of my brother, Shri Uttam chandra
Agnihotri and his wife Shri Vidya Agnihotri who all have
helped me in various ways and contributed towards the
successful completion of this work. contd..
I must express here my sincere gratitude to Professor Dr. P.C. Gupta and Dr. J.S. Chouhan, Reader, Department of Chemistry, University of Allahabad and to Shri H.C. Gupta, Research Scientists, Forensic Science Laboratory, Chhindwara (M.P.) for generous gift of a few authentic samples of the compounds.

Thanks are also due to Professor Dr. K.C. Joshi, Head, Department of Chemistry, University of Rajasthan, Jaipur and Professor H.P. Tirwari, Head, Department of Chemistry, Rani Durgawati Vishwavidyalaya (University of Jabalpur), Jabalpur (M.P.) for their help through valuable suggestions given from time to time.

I am grateful also to Dr. (Mrs.) Bhabani S. Srivastava, a Research Associate (D.Sc.), 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 Ministry of Health and Family Welfare, Government of India, New Delhi for the award of a Junior Research Fellowship which helped me to carry out this work.

Lastly, but certainly not least I wish to express my thanks to Messrs. Santanu Misra, Mrs. Anjali Jain, Miss Mira Saxena, Mr. M.L. Khubchandani, Miss Sandhya Pitre and Miss Kalpana Rustia, my fraternal colleagues in the laboratory for their valuable suggestions and help.

(Vinod Kumar Agnihotri) B.Sc.