ACKNOWLEDGEMENT

I am highly indebted to Dr. J. J. Trivedi, B.Sc., Ph.D., Principal, M. G. Science Institute, Ahmedabad, under whose inspiring guidance the work described in this thesis was carried out.

I express my thanks to Dr. K. C. Kshatriya, M.Sc., Ph.D., Head of the Chemistry Department, M. G. Science Institute, Ahmedabad and Ahmedabad Education Society, Ahmedabad for providing me with the facilities to carry out research.

Thanks are also due to my research colleagues particularly Dr. A. S. Maharaj, M.Sc., Ph.D., Jamshed Kapadia, M.Sc. and S. V. Mashruwala, M.Sc., for their friendly co-operation and help, in my research work.

I am grateful to Dr. R. D. Doctor, Professor of Pharmacology, B. J. Medical Science College, Ahmedabad and Dr. B. K. Shah for carrying out the Pharmacological screening of the compounds.

Candidate