ACKNOWLEDGEMENTS

It gives me a great pleasure to express my deep sense of gratitude to Dr. M. Ilyas and Dr. M. Kamil who directed these researches, for their unstinted help, incessant encouragement, sagacious and inspiring guidance throughout the work.

I am indebted to Prof. W. Rahman, Prof. M.S. Ahmad, Ex-Chairmen and Prof. S.M. Osman, Chairman, Department of Chemistry for providing necessary research facilities.

I am extremely grateful to Prof. H. Wagner, Institut fur Pharmazeutische Biologie, Munchen, West Germany and Prof. M. Mizuno, Gifu Pharmaceutical University, Gifu, Japan for providing some $^1$H-NMR and Mass spectra.

Words will be inadequate in expressing my sincere thankfulness to Dr. M.A. Qasim, Miss Neeru Jain and Mr. Akram A. Khan for their rewarding suggestions and valuable discussion. Thanks are also due to my other laboratory colleagues for their cheerful companionship.

I wish to record my sincere thanks to Dr. Iqbal Ahmad for providing me the plant material from Andamans.

Finally, but certainly not the least, it is with immense pleasure that I place on record my indebtedness and heartfelt gratitude to my father who has been instrumental and tremendous source of inspiration in the accomplishment of this work.

(M.R.M. Sarwar Alam)