ACKNOWLEDGEMENTS

It is my privilege to acknowledge with deep sense of gratitude the enthusiastic support and never failing encouragement extended by my supervisor Prof. Saiyid Aftab Ahmad Zaidi, M.Sc. (Aligarh), M.A., Ph.D. (Toronto) A.R.I.C. (London), F.N.A.Sc., who made it possible for me to carry out the work to completion. Without his valuable suggestions and stimulating discussion this thesis would not have seen the light of the day.

I wish to express my sincere thanks to Dr. Khwaja Salauddin Siddigi, M.Sc., Ph.D. (Aligarh) for sparing his time in much helpful discussions.

I am also beholden to my laboratory colleagues and friends Kauser Jahan, Ghazia, Soofia, Namita, Afshan, Naheed and Farah for their friendly attitude and immense help.

My special thanks to Mrs. R.Rizvi (U.S.A.) and Mrs. R. Kureshy for facilitating me with the provision of IR and 'HNMR spectra.

I shall be ever indebted to my brothers and sisters for their moral support. I shall not forget my Wasi mamu for his continuous consolations and encouragement through out the course of this work.

Financial support from the University in the form of a University fellowship is gratefully acknowledged. I thank Prof. Saiyid Aftab Ahmad Zaidi and Prof. M.A.Beg, Chairmen, Department of Chemistry for providing necessary research facilities.

Last but not the least I must record my gratefulness to my dear parents whose loving encouragement, moral and material support and inexhaustible store of affection has sustained me throughout the duration of this work.

( SHAHJAHAN )