ACKNOWLEDGEMENTS

It is indeed a matter of immense pleasure for me to acknowledge my Supervisor Mr. M. Sami Ahmad, Reader, Department of Geology, A.M.U., Aligarh for his guidance and continued advice throughout the research work and preparation of the manuscript.

I would also like to thank Professor S.H. Israel, Chairman, Deptt. of Geology, Aligarh Muslim University, Aligarh for providing the necessary facilities required during research.

In a project as large as this, the author must usually rely on the assistance of other persons. In my case contributions were made by many individuals and many organisations, and I would like to hereby acknowledge their help, for their assistance and suggestions either in providing data or helping in the preparation of the manuscript. I am indebted to the following individuals: Dr. T.S. Raju, Superintendent Hydrogeologist, Central Ground Water Board, Prof. Iqbal H. Khan, Dean, Faculty of Engg. & Tech., J.M.I. New Delhi, Prof. Abdul Mubeen, Principal, College of Engineering and Technology, Jamia Millia Islamia, New Delhi. Akram Ali, Rasheed Umar, Saeed Siddiqui research scholars, Deptt. of Geology, A.M.U., Aligarh; Mirza Javed Beg, Geologist Antarctica Cell,
I am also indebted to the various organisations, who supplied me with data required during research. These organisations are: Meteorological Department of India, New Delhi; Central Ground Water Board, Faridabad; State Tube-Well Department, Ghaziabad; and Statistical Department, Ghaziabad.

I especially thank my wife Halima Begum, my parents, brothers and sisters for their co-operation and encouragement in speeding up the work in the preparation of this manuscript.

I dedicate this manuscript to my children Mariyam Zakiah and Mohd. Yusuf Mahmood.

(Gauhar Mahmood.)