ACKNOWLEDGEMENTS

With the name of the Almighty, the Infinite Authority, the Lord of lords, Beneficial and Merciful and Salam on His last and latest Prophet Mohammad (Be peace on him).

I express my sincere sense of gratitude and heartiest regards to my revered teacher, Prof. Saiyid Aftab Ahmad Zaidi, M.Sc.(Alig.), M.A., Ph.D.(Toronto), A.R.I.C. (London), F.N.A.Sc., for his expert guidance, constant encouragement, persistent help and affectionate supervision, which has ever been a source of beacon light and inspiration.

I am highly indebted to Dr. Zafar Ahmad Siddiqi, M.Sc., Ph.D.(Alig.), for his painstaking corrections, critical suggestions unending sympathetic behaviour and continuous help. It is due to his enthusiastic encouragement that this work has seen the light of the day.

Grateful acknowledgements are due to Prof. M.S. Ahmad, Chairman, Department of Chemistry, Aligarh Muslim University, Aligarh for providing research facilities, to all my colleagues and friends for their valuable
assistance and kind cooperation.

On this occasion, I pray for long and elegant life of my parents, who have always been extending me their heartiest prayers for my higher education and prosperous life. I extend heartiest thanks also to my beloved husband, Mr. Zarif Ahmad, for his unparallel sacrifices and sincere cooperation during the course of this work.

Financial support from the University Grants Commission, Delhi and the Council of Scientific \& Industrial Research, New Delhi, is gratefully acknowledged.

( Maimoona Jaria )