ACKNOWLEDGEMENT

I am extremely grateful to Professor S.U. Khan, Chairman, Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh who has been kind enough to spare his precious time in supervising and guiding this work despite his heavy schedule of engagements. His encouragement and advice have lead me to complete this work which was never possible otherwise.

My deep debt of gratitude is also due to Professor T.P. Tripathi, Division of Mathematics-Statistics, Indian Statistical Institute, Calcutta for his kind suggestions and generous help at many stages of this work. His technical advice, stimulating discussions and warm hearted treatment during my several interaction meetings with him at the Institute have gone a long way in completing this work.

I am highly thankful to Professor G.K. Ghosh, Ex-Director, Indian Statistical Institute, Calcutta, for providing me all the possible facilities on my several visits to the Institute during the course of this work. My thanks are also due to Director, Indian Agricultural Statistics Research Institute, New Delhi, for extending the necessary facilities to me during my visits to the Institute in connection with this work.

I cannot but remember on this occasion with profound regards (Late) Dr. Zahirul Islam, Reader, Department of Statistics and Operations Research Aligarh Muslim University, Aligarh, under whose supervision this work was initially started. May his soul rest in peace. Professor Zahiruddin, Prof. S. Rahman, Dr. Ariful Islam, Dr. Gauhar Alam Rizvi, Mr. Nafis Ahmad Alvi (Department of Statistics and Operations Research, Aligarh Muslim University Aligarh) and Mr. D.K. Chaturvedi (Computer Unit, I.S.I., Calcutta) have assisted me in one way or the other while I was finalizing this work. I thank them all.
Dr. Aejaz Ahmad Khan, Mr. Mubarik Ahmad, Dr. Abdul Momin Tak, Mr. Ashfaq A. Khan and my brother Mr. Abdur Rasheed deserve my sincere thanks for encouraging me persistently during the course of this work. Mr. S. Fazal Hasnain Naqvi deserves to be complimented for typing out this manuscript diligently.

Last but not the least, I thank my wife Mrs. Amatul Basit, my sons Waheed and Aleem for their courage and patience during long periods of my absence from home while accomplishing this work.

(A. H. Mir)