## ACKNOWLEDGEMENTS

I am grateful to my guide Professor N.M. Bhatt, Professor and Head of the Department of Statistics of the Maharaja Sayajirao University of Baroda, for his kind help and guidance in the preparation of this thesis.

I also express my sincere thanks to Professor M.C. Chakrabarti, Professor and Head of the Department of Statistics of University of Bombay for valuable suggestions.

S. M. Shah