ACKNOWLEDGEMENTS

I am grateful to my supervising teacher Dr. N. Raju, Reader, Department of Statistics, University of Calicut for his constant inspiration, valuable guidance and continual supervision that enabled me to complete this research work. I express my deep sense of gratitude and appreciation to him whose sincere co-operation and personal interest made this difficult task feasible and simple.

I am beholden to all the members of the Department of Statistics, University of Calicut, both teaching and non-teaching for their help and co-operation during my research period. I am thankful the Management and Staff of Devaki Amma Memorial College, Chelembra for their help and support rendered to me during the period of my research. I remember with sincere thanks my friends for their help and support.

I am indebted to my parents, my husband Dr. K. Jayakumar and children Abhijith K. Jayan and Anakha K. Jayan for bearing with me throughout this research work with their unstinting patience and co-operation.

MARIAMMA ANTONY