ACKNOWLEDGEMENTS

It gives me great pleasure to express my gratitude to my research supervisors Dr. K. Suresh Chandra and Dr. S. M. Manjunath for their invaluable guidance in carrying out the work on Multiple Time Series reported in the thesis. The pervasive influence of their concern for precision and their intellect has influenced the form and content of the thesis. I am indebted to them for generously sparing a good part of their time and attention, particularly in the final stages of the work, to the completion of my research work and presentation of the results in the form of this thesis.

The work was initiated when Professor Suresh Chandra was visiting the department during his sabbatical leave from the University of Madras. The series of lectures given by him in this period and the several sessions of discussions that followed provided me with a good insight into the subject and an appreciation of the deeper issues. I am grateful to all my teachers and distinguished well wishers like Professor B. R. Bhat.

My first experience of research work in a different area was with Professor N. R. Mohan of the University of Mysore from whom I have gained immensely in terms of analytical outlook and precise presentation. I am grateful to him for this and more.

I am profoundly thankful to Bangalore University and the Chairman of the Department of Statistics Professor H. J. Vaman for facilitating this work and for extending the use of the departmental facilities. I wish to thank my teacher and present colleague Dr. Srivenkataramana for his interest and encouragement. Thanks are also due to my other colleagues in the department Dr. Harishchandra, Dr. Rajalakshmi, Sri. Nanjundan and Dr. Srinivas.

I am indebted to my father late Sri S. V. Ramachar who, during his life time inspired me to take a teaching career and has left an indelible influence on me. It
was my brother Sri S. R. Vyasaraj who led me to specialise in Statistics.

My son J.V. Shreyas shouldered the responsibility of physical preparation of the thesis with great care and diligence sparing considerable time off his own work. My daughters J.V. Tejaswini and J.V. Yashaswini and my husband Dr. H.J. Vaman also contributed in many ways.

By God's grace and by blessings of my mother Smt. S. R. Susheela Bai and my parents in-law, I am able to complete my thesis work successfully.