ACKNOWLEDGEMENT

I would like to express my sincere and heartfelt gratitude to my benevolent chairman Dr.Mrs.A.SUSHEELA THIRUMARAN, M.Sc., Ph.D., Former First Vice Chancellor, Thiruvalluvar university, Vellore for suggesting this problem for her inspiring guidance excellent counseling and constant encouragement during the period of this investigation.

I wish to express my heartfelt thanks to Dr.S.KANCHANA M.Sc., Ph.D., Assistant Professor, Department of Food Science and Nutrition, Home Science College and Research Institute, Agricultural College and Research Institute (Campus), Madurai.

Further my heartfelt thanks to Dr.P.BANUMATHI M.Sc., Ph.D., Dean, Home Science College and Research Institute, Agricultural College and Research Institute, Madurai for her kind and constant encouragement valuable guidance throughout my research work. I also thanks to Dr.P.S.GEETHA, Assistant Professor, Dr.S.SARAVANA KUMAR, Assistant Professor, Department of Food Science and Nutrition for help during the course of study.

Personally my beloved and affectionate my husband Dr.K.SEVUGAN M.Com., M.Phil., Ph.D, Asst. Professor, Govt. Arts College, Pulangurichi have been a constant sources of moral support and financial support helped in the satisfaction of my successful ventures and inspiration which I am very grateful.

I express my sincere thanks to my affectionate parents Mr.K.MUNIANDI (Late) and Mrs.M.LAKSHMI and beloved brother Mr.M.Rathamani, B.A., M.T.Ed., District Inspector of Physical Education and affectionate sisters M.Balamani, Asst. Agricultural Officer, M.Sheelamani, M.A. B.Ed., Head Mistress, M.T.S.School, Madurai,
M.Velumani M.A., B.L., Tahsildar, Thirumayam, Pudukottai District, M.Manimala RNRM, Govt. Hospital, Madurai and uncles for their encouragement and moral support.

I express my heartfelt thanks to Balaji Computers, Madurai – 21 for their kind co-operation in typing the thesis neatly and I thank to Mr. P. Balamurugan for his valuable help in the statistical analysis of the data.

Finally I express my bountiful thanks to the individuals who either directly or indirectly assisted me which made success in my endeavours.

To God Almighty, I am most grateful to His Grace without which this thesis would have been impossible.

M.MANICHITHRA