## ACKNOWLEDGEMENTS

My sincere thanks are due to

- Dr. D. S. Pradhan, M.Sc. (Tech.), Ph.D., Head, Nucleic Acids Metabolism Section, for his guidance, critical appraisal of the data and encouragement:
- Dr. A. Sreenivasan, M.A., D.Sc., F.N.A., F.A.Sc., formerly Emeritus Scientist at this Research Centre, for his valuable guidance in the initial stages of this work;
- Dr. M. S. Netrawali, Ph.D., for his help in the planning and execution of experimental work, as well as for suggesting many improvements in the manuscript;
- Dr. G. B. Nadkarni, M.Sc., Ph.D., Head, Biochemistry and Food Technology Division for his keen interest and encouragement;

all the colleagues of mine in Nucleic Acids Metabolism Section, especially Dr. K.G. Chetty, Dr. M.S. Patil, Shri S.B. Kulkarni, Shri C. K. K. Nair, Shri K. A. S. Nair & Smt. Karpagam Pasupathy; for helping me in the work in various ways; and

S/shri B.S. Kubal for his technical help & Muralee Menon for the typing.

The work presented in the thesis is original and is carried out by me. It has not been submitted previously for any other degree of either M. S. University of Baroda or any other University. References made to the work of others have been cited in the text.

(M.N. Subba Rao)

pugalulite

Candidate

(Dr. D.S. Pradhan)

Research Guide