ACKNOWLEDGEMENTS

It is my great pleasure to express my sincere and deep sense of gratitude to:

Dr. K. Venkateswarlu, Professor of Microbiology and Dean, Faculty of Life Sciences, Sri Krishnadevaraya University, Anantapur, my research supervisor, for his valuable guidance, constant supervision, unfailing encouragement and generous treatment during the course of this investigation.

Dr. V. Padmanabha Reddy, Associate Professor and Head, Department of Dairy Microbiology, Dairy Technology Programme, College of Veterinary Science, Tirupati, my co-research supervisor without whose encouragement, constant guidance, and the facilities extended in his laboratory I would not have completed the present investigation.

Prof. R. Ramanjaneyulu and Prof. V. Rangaswamy, Drs. P.B.B.N. Charyulu, B. Rajasekhar Reddy and B. Venkatappa, teaching staff, Department of Microbiology, SK University for their encouragement and cooperation.

Dr. D.K. Thomkinson, Principal Scientist, Diary Technology Division, National Dairy Research Institute, Karnal for his invaluable advice and for the interactive session which made me to take up this particular topic as my research subject.

Prof. P. Sreenivasulu and Dr. B.R. Saigopal, Department of Virology, S.V. University, Tirupati for extending lab facilities for certain parameters included in the present investigation.

Dr. C. Ramakota Reddy and Dr. K.S. Sarma for permitting me to carry out my experimental work in Dairy Technology Programme, College of Veterinary Sciences, Tirupati.

Prof. S. Dayananda, Department of Biochemistry, S.K. University, Anantapur and Prof. N.P. Shah, Victoria University, Australia for arranging certain probiotic cultures.

Librarians at National Dairy Research Institute, Karnal; National Dairy Research Institute, Bangalore; College of Dairy Science, Hebbal, Bangalore;
Central Library, Acharya N.G. Ranga Agricultural University, Tirupati, and CFTRI, Mysore for permitting me to utilize the library facilities.

Mr. Moses, Senior Scientist, 3 M Laboratories, Minnisota State, USA, for helping me by sending ample research study material.

University Grants Commission, New Delhi for awarding me a fellowship under the faculty improvement programme for IX plan.

National Agricultural Technology Project (CGP-III), Indian Council of Agricultural Research, New Delhi for the financial support to carryout the present investigation

Executive Officer, TTD, and Principal, S.V. Arts College, Tirupati for permitting me to utilize the FIP facility of the UGC.

Prof. Sharma, Department of Statistics, S.V. University who was very patient and kind in spending his valuable time for statistical analysis.

Mrs. N. Mrudula, Senior Research Fellow in NATP Project who was available with me throughout the experimental work for extending all possible help and without whose cooperation and help I would not have completed the present studies.

Mr. M. Krishnaiah and M. Narasaiah, Attenders, in the DT Programme, College of Veterinary Sciences, Tirupati for their constant help in the laboratory.

Mr. Karthik for neatly typing the thesis.

Finally, my mother, Smt. S. Kamalamma, wife Dr. G.M. Sundaravalli, sons Prithvi and Dheeraj, and brother-in-law Dr. G.H. Philip for their cooperation and constant encouragement during the course of this investigation.

(M.D. CHRISTOPHER)