ACKNOWLEDGEMENTS

First and above all, I praise God, the almighty for providing me this opportunity and granting me the capability to proceed successfully.

It would not have been possible to write this doctoral thesis without the help and support of the kind people around me, to only some of whom it is possible to give particular mention here.

The good advice, support and friendship of my guide, Dr. Saroj Bhosle, Professor and Head, Department of Microbiology has been invaluable on both an academic and a personal level, for which I am extremely grateful. Her patience, generous spirit and positive disposition only match her impressive professional competence.

This thesis would not have been possible without the help, support and patience of my co-guide Dr. S. B. Barbuddhe, Principal Scientist not to mention his advice and unsurpassed knowledge of Listeria. I am heartily thankful to Barbuddhe Sir, whose encouragement, guidance and support from the initial to the final level enabled me to develop an understanding of the subject. His humility, perseverance and willingness to share knowledge speak of his intellectual avatar.

I thank Prof. G.N. Nayak, Dean, Faculty of Life and Environmental Sciences for his timely advice.

I also thank Dr. D. J. Bhat, Professor, Department of Botany, Goa University and member of my Faculty Research Council for his constructive suggestions during the course of my study.

I am indebted to Dr. V.S. Korikanthimath, then Director, ICAR Research Complex for Goa, Old Goa and Dr. N. P. Singh, Director, ICAR Research Complex for Goa, Old Goa for providing me the necessary facilities to carry out my research and for the steadfast support of the ICAR staff.

I profoundly thank Prof.(Dr.) Trinad Chakraborty, Director, Institute of Medical Microbiology, Justus-Liebig University, Giessen, Germany for his valuable suggestions during the course of this study.

My special thanks to my principal Dr. M. Sangodkar for motivating me to pursue research.
I am most grateful to Dr. R. B. Dhuri, Manager (Animal Health) and Dr. N. S. Sawant of Goa Dairy for their help and unconditional support at each turn of the road.

I owe my deepest gratitude to my brother-in-law Dr. Ernest D’Costa who paved a way for my quest for research by introducing me to my co-guide.

I would like to express my gratitude to the personnel of Goa Dairy, dairy farmers all over Goa, members of Dairy Co-operative Societies and Mr. Sudin Jambhale for enabling me to procure samples.

My special thanks goes out to my colleagues Sushanta, Jenney, Swapnil and Krupali who supported me right through my research and provided valuable feedback at both the initial and closing moments of this thesis.

I would like to acknowledge the financial, academic and technical support of the University Grants Commission, New Delhi particularly in the award of a Postgraduate Research Studentship that provided the necessary financial support for this research and also for a travel grant to present my paper at ISOPOL 2010, Portugal.

It is a pleasure to thank those who made this thesis possible like Dr. Archana Verma of NDRI, Karnal, Dr. P.M. Korgaonkar (Vet. Officer), Dr. Seema Rath (Officiating Principal of Government College, Khandola), Dr. Sunita Borkar and Fr. Fredrick Rodrigues (FIP committee members), my niece Stephanie, my friends Marina, Charlotte, Nisha, Vineeti, Chandrika especially Manasi and Aditya, my ex-students Nimali, Zico, Diana and Milgen, my ever-cooperative laboratory staff Sylvia, Vimal and Kunda and the administrative staff at Government College, Khandola, and the staff of Microbiology Dept. Goa University.

I would like to thank my husband William for his solicitude, personal support and infinite patience at all times and above all for believing in my potential. His high regard for my ambition gave me the strength to carry on. This thesis is a small tribute to my dearest children Warren and Waluscha from a mother still anxious to learn from them. A special thanks to my mother-in-law for appreciating my endeavour towards research and for her care and concern. My father, brothers, sisters and in-laws have given me their unequivocal support.
and admiration throughout, as always, for which my mere expression of thanks likewise does not suffice. I am deeply indebted to my beloved family.

I offer my regards and blessings to all of those who supported me in any respect during the completion of the thesis.

Last but not the least, I wish to dedicate this thesis to my late parents who have always been with me as a source of inspiration in my chosen path.

DILECTA COLAÇO