ACKNOWLEDGEMENTS

“Blessed is the one who finds wisdom, and the one who gets understanding, for the gain from her is better than the gain from silver and her profit better than gold.” (Proverbs 3:13)

First and foremost, I thank Almighty God for being with me throughout the way.

I would like to express my heartfelt gratitude and indebtedness to my supervisor, Dr. M.G. Roymon, Head, Department of Microbiology and Biotechnology, St. Thomas College for his invaluable guidance, constant encouragement and patience during the course of this research. His kind personality has always been an unfailing source of motivation.

I would especially like to thank Dr. A.K. Gupta, Professor, SOS in Life Science, Pt. Ravishankar Shukla University Raipur for his timely support, good advice and unsurpassed knowledge.

I would like to record my sincere thanks to Dr. Niren Andrews, Asst. Professor, Department of Microbiology and Dr. G. Manimannan, Lecturer, Department of Statistics, Madras Christian College, Chennai. Their help will always be remembered.

I am grateful to Mrs. Bindu Jacob, Asst. Professor, Department of English, Christian College of Engineering and Technology, Bhilai and Mrs. V. Shanti, Lecturer, Department of Microbiology, St. Thomas College for their invaluable help during the writing phase.

My sincere gratitude to Mr. Sunakar Nayak of Nitza Biologicals, Hyderabad for providing the laboratory facilities required for ribotyping. I also like to thank all the staff especially Jikasmita Dalei for her expert advice and suggestions necessary for this research.

I would like to thank my fellow Ph.D. scholars, Deboshree Biswas and Rashmi Zankyani for their encouragement and friendship which I will cherish all my life.

It would be unworthy of me if I fail to thank Dr. Reny George, Principal, St. Thomas College Bhilai for providing all the necessary laboratory facilities and all the staff of the Dept. of Microbiology and Biotechnology, St. Thomas College for providing a very scientific and congenial environment for carrying out my work.

Finally, my warmest thanks go to my family for all their love and care. To my parents, brother and parents-in-law for having belief on me. It was because of them that I could complete this work successfully. To my father, I could always look up to him for moral support. For me, he is the Best Father in the whole world. Special thanks to my sister Jesline for cheering me up during difficult times with her never ending laughs. I would like to thank my husband, Fr. Sibu Thomas, for understanding, having to be away from me but still being there for me always with his love and support. Lastly, to my son Bennett, I love you.

Mabel Varghese