ACKNOWLEDGEMENTS

This thesis arose in part out of years of research that has been done. By that time, I have worked with a great number of people whose contribution in assorted ways to the research and the making of the thesis deserved special mention. It is a pleasure to convey my gratitude to them all in my humble acknowledgment.

In the first place I would like to record my gratitude to Prof. K. Mohana Raju for his supervision, advice, and guidance from the very early stage of this research as well as giving me extraordinary experiences throughout the work. Above all and the most needed, he provided me unflinching encouragement and support in various ways. His truly scientist intuition has made him as a constant oasis of ideas and passions in science, which exceptionally inspire and enrich my growth as a student, a researcher and a scientist want to be. I am indebted to him more than he knows.

Words are insufficient to express my affectionate gratitude to my parents for their everlasting love, encouragement and support. I express my deep sense of love for my caring parents Sri. Late B. Dalappa and Smt. B. Kariyamma without whose prayers and blessings my quest would have remained unfulfilled.

I also wish to express my gratitude to my beloved senior who initiated me to pursue research, Dr. K. Varaprasad. Postdoctoral fellow, Chile for his constant help throughout my Doctoral programme.

I would like to place my hearty gratefulness to my husband Mr. P. Amarnath and our loving son P. Jastin Revanth who helps in difficult times, and for all the emotional support, camaraderie, entertainment and carrying he provided.
It is a pleasure to acknowledge the cheerful company and assistance of my research seniors Dr. N. Narayana Reddy, Dr. S. Ravindra, Dr. G. Siva Mohan Reddy, Miss. Dr. K. Vimala and thanks to seniors Dr. P. Ranga Reddy, Dr. G. Ramachandra Reddy, Dr. C. Venkata Prasad. My colleagues T. Jayaramudu G. M. Raghavendra, for their cooperation in carrying out my research work.

In regards to the Antimicrobial analyses, I thank Dr. G. V. Subba Reddy, Department of Microbiology, S.K. University for doing Antimicrobial analyses analysis.


I also acknowledge my well wishers Dr. D. Prabhakar Asst. Professor of department of MBA, S.K. University, Dr. S. Prathap, Dr. P. Keshav, Dr. M. Guru Swamy, Mr. G. Raju, Mr. Babu Rao, Mr. R. Murali Krishna and Mrs. G. Praveena.

Words are inadequate to express my heartfelt thanks to Mrs. K. Bharathi Mohana Raju and Mr. K. Naveen Kiran for their affectionate treatment.

I gratefully acknowledge the University Grants Commission, New Delhi for their financial support.

I thank all those authors of whom a reference is made in this thesis.

Finally I would like to thank the S. K. University, Anantapuramu Authorities for providing necessary facilities.

B. Manjula