ACKNOWLEDGEMENTS

First of all I thank Divine Master, Who gave me courage to undertake the laborious research work and ability to complete the write up of dissertation.

I express my deepest gratitude to my learned and distinguished guide Dr. G.P. Maddaiah, Associate Professor, Department of Environmental sciences, Sri Venkateswara University, Tirupati, AP, India and Prof. G. Ramakrishna Naidu, Department of Environmental Sciences, Sri Venkateswara University, Tirupati, for their guidance in planning, implementation and completion of research work. Without their help it would not have been possible for me to present the manuscript.

I express my sincere appreciation to Prof. Janardhanam Professor, Department of Environmental Sciences, Sri Venkateswara University and Dr. Damodharam Associate Professor, Department of Environmental Sciences, Sri Venkateswara University for their cooperation and assistance in research work. Appreciations also extended to Mr. Prabhakaran, General Manager, M/s. Malladi Drugs and Pharmaceuticals Limited and Mr. Viswanadham, General Manager, M/s. OR Distilleries, Gajulamandyam, Mr. BSV Prasad, General Manager (Operations), M/s Biocon Limited, Bangalore, Prof. A.V. Subrahmanyam, Retd. Professor, Microbiology, Kakatiya University, and Mr. Sanjeeva Rayudu, Assistant Professor, Pulia Reddy Engineering college, Kurnool, those Who assisted me to do my research, data collection and by providing required data. Thanks to are also due to staff in Department of Environmental Sciences, SV University and my colleagues in my company.

I shall be failing in my duty if I do not acknowledge the inspiration and well wishing of my wife, mother, brothers and sisters who provided morale help during the course of study.

A.V. KAMESWARA RAO