ACKNOWLEDGMENTS

It is with a great pleasure I take this opportunity to express my gratitude to Dr. R.P. Surendra Kumar, Reader, Department of Zoology, for his suggestion of this research project, for his guidance, interest and encouragement for carrying out this work. I gratefully acknowledge his consistent efforts in critical evaluation of this thesis. My acquaintance with him both professionally and personally is highly rewarding.

I am thankful to Dr. K. Radhakrishnaiah, Head, Department of Zoology, for kindly providing facilities for carryout this work.

I am also indebted to Prof. P. Ramakrishna Rao, Department of Biochemistry, Prof. K. Venkateswarlu, Department of Microbiology, Dr. F. Sarala Devi, Lecturer in Biochemistry, Dr. F. Ramesh, Bangalore Cancer Hospital, Bangalore, Dr. R. N. Vishweswara, Kidwai Memorial Institute of Oncology, Bangalore, Dr. Venkata Raju, Chief Scientist, A.P. Agricultural Research Station, Anantapur, Dr. Chinnaiah, Assistant Professor in Pathology, Kurnool Medical College, Kurnool, for having kindly obliged to give me their support for initiation and progress of my research project.
It is of immense pleasure to recollect the days of my association with my research colleagues, Suresh, A. Suresh, C. Sreenivas, Sreenivas, Dhanu, Hari, M., Harinath, B. Surendra, B. Murali, F. Dr. Malla Reddy, Suneetha, N., and Mythili, B. I take this opportunity to express my gratitude to them. Their unstinted love and cooperation extended throughout my research career was of immense help to me. I would also like to express my sincere thanks to Mr. Suresh Kumar, T. V., for his support and for his relaxing conversations during tense periods of my research life.

My most sincere and heartful thanks are to my family members with whom the hills and valleys of my education career have been shared. Their unyielding faith, support and encouragement have been the very stimulus for my development.

My special thanks and great praise are in order for Sri V. Venkoba Rao for the herculean task of computerizing the manuscript.

Finally, the efforts of many others whose contributions have led to the successful completion of this research work are individually acknowledged.

B. Mahendra Varma