ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude and indebtedness to my beloved Research Supervisor Prof. B.B. Kaliwal, Chairman, Post-Graduate Department of Studies in Microbiology and Biotechnology, Karnataka University, Dharwad for his effective suggestions, encouragement and making me acute and perfect by providing effective advices in each and every step of this research work.

I take this opportunity to thank Prof. R. Nazeer Ahmed, Chairman, Post-Graduate Department of Studies in Zoology, Karnataka University, Dharwad for providing all the facilities during the research work.

I profusely thank and record my gratitudes to Dr. R.D. Sanakal, Dr. V. Shyamkumar and Dr. Shivasharana C.T. by providing effective advices in each and every step of this research work.

I have great pleasure in expressing my deep sense of respect and sincere thanks to all reverend teachers, Post-Graduate Department of Studies in Microbiology and Biotechnology, Karnataka University, Dharwad, who were a source of inspiration and motivation to complete this task.

I express my deep found gratitude to my all family members, near and dear one's for their constant encouragement during this study.

I am greatly indebted to my research colleagues, Mr. G. P. Siddapur, Dr. K. V. Dheeraj, Dr. Chandrashekhkar Unakal, Mr. Sudheer I. Manawadi, Mr. Rajeev Potadar, Mr. Mahantesh Kurjogi, Mr. Arun Shetty, Mr. B.I. Patagundi, Smt. Amrita Kulkarni, Smt. T.S. Shreelakshmi and Ms. Carina
Cordeiro for their encouragement and support with worthy suggestions during the period of research work.

I am also thankful to Smt. Shashikala Aladamarad for her motivation and blessings for this work.

I profusely thank all teaching and non-teaching staffs of Post-Graduate Department of Studies in Microbiology and Biotechnology, Karnataka University, Dharwad for their help and co-operation throughout my research work.

Place: Dharwad
Date: 26-03-2009

(T.Y.Mudaraddi)