ACKNOWLEDGEMENT

I wish to express my deep sense of gratitude and indebtedness to my research guide Dr. U. Gopalakrishna Bhat, Reader, Department of Marine Biology, Karnataka University Post-Graduate Centre, Kodibag, Karwar for his valuable guidance, supervision and constant encouragement throughout the research work and preparation of the thesis.

I am thankful to Prof. Dr. Mrs. Kusuma Neelakantan, Chair Person, Department of Marine Biology, Karnataka University Post-Graduate Centre, Kodibag, Karwar, for her valuable advise and providing me the necessary facilities.

I would like to place on record my gratitude and indebtedness to Prof. Dr. B. Neelakantan (Rtd), Former Chairman, Department of Marine Biology Karnatak University for his valuable help and encouragement.

I am grateful to Dr. G. Nandakumar, Senior Scientist, CMFRI, Cochin, for his help and valuable suggestions throughout the course of my research work.

My sincere thanks are due to the Director, CMFRI, Kochi and Indian Council of Agriculture Research, for granting me study leave. The encouragement given by Dr. N. Neelakanta Pillai, Dr. C. Suseelan, Dr. G. Sudhakara Rao and Shri P.E. Sampson Manickam are fondly remembered with gratitude.

I would like to thank Shri K.N. Rajan, Senior Scientist for his valuable help and encouragement during the course of this work. The help rendered by Shri K. Chellappan in field collections is gratefully acknowledged.

My special thanks are due to Dr. T.V. Satyanandan, Scientist, CMFRI for his help in statistical analysis of the data and for going through the manuscript and offering valuable suggestions.
My thanks are also due to Dr. P.N. Radhakrishnan Nair and K. Narayana Kurup, Senior Scientists, for their help and valuable suggestions in the analysis of data.

I am extremely thankful to my colleagues Shri K. Balachandran and Smt. K.V. Sajitha for their help, which I got always as a matter of right.

I wish to express my thanks to my wife Smt. Radha Nair for her mild persuasion, encouragement and support throughout this work.