

ACKNOWLEDGEMENT

It is a privilege to acknowledge my deep indebtedness to my supervisor, Prof. Bonny Pilo, Head, Department of Zoology, for his guidance, encouragement, very personal assistance and the freedom he kindly granted to think and execute the work.

I should like to thank Prof. Pankaj K. Hiradhar, Head, Department of Biosciences, S.G. University Surat, whose learned and incisive suggestions about my final text were only one example of his kindness and patient help over the years, teaching me again that I am as much, and as gratefully, his student as I was when he directed my M.Phil. dissertation, at S.G. University, Surat.

My thankful recognition is due to all the teaching and non-teaching staff of the Department of Zoology, who helped me at various phases of this research project.

I am particularly grateful to my friend Isha for all her assistance in the preparation of thesis and for helpful comments and suggestions.

I express my thanks to Shahroukh Mistry, research scholar of the University of New Mexico, USA, for his valuable assistance in graphic designs, to Gangadhar, Department of Geology, M.S.U., for his help in cartography and to Dr. Pragna Parikh Lecturer, Department of Zoology, M.S.U. for her warm encouragement.

My colleagues Harsha, Jai, Nancy, Rajesh, Sirimavo and Veena deserve a word of gratitude for their sustained cooperation during the tenure of my work.

I am also thankful to Council of Scientific and Industrial Research, New Delhi, for the financial assistance in the form of Senior Research Fellowship.

I am indebted to my parents, who during the years of my study furnished constant encouragement and ever gave valuable suggestions. Any attempt to thank them must inevitably fall short.

Above all I owe more to my grandfather than I can perhaps make clear. I am grateful to him not just for his love and affection but for his painstaking efforts and inspirational directions of my studies, which have strengthened me over the years and to whom I dedicate this thesis with great affection.

B.Suresh