ACKNOWLEDGEMENT

It is with deep sense of gratitude that I wish to acknowledge all those who have contributed to this work in various ways, some of them so wonderful, that made this dream become a product that you are holding in your hand.

First of all I want to express my gratitude to the abundant grace and blessings of God who enabled me to make this endeavor a beautiful experience

I owe my greatest debt, of course to my Guide Dr. B. Suresh, my mentor and guru for his valuable and constructive guidance, immense help, encouragement and support throughout the study period. I am grateful to him for sharing his expertise and insights to shape up this present work. I am indebted to him more than he knows.

I also thank to him for following up the project work, his very useful comments during thesis writing, his encouragement and understanding.

I also express my deep appreciation to Dr. Isha Desai who despite her busy schedule, read most part of this treatise and provided many helpful suggestion. She was always there for me as a friend and as a great understanding teacher. Further, I would like to record my special thanks to Prof. Bonny Pilo Sir for generating the quest for knowledge, Prof. Y.M. Naik, Dr. Pragna Parikh and Dr. Dolly Kumar for their constant support and encouragement.

I would also like to thank Prof. A.V. Ramchandran, Head, Department of Zoology for infrastructural support and facility.

I am gratefully acknowledging Department of Science and Technology (DST), New Delhi for financial support in the form of a project (grant No. SP/SO/C-37/2000) and for awarding Junior Research Fellowship.

My grateful thanks are also to Department of Geology for permitting to work in their Department. I greatly appreciate the help rendered by Dr. Nilesh Bhatt, Dr. N. Sharma, Dr. Tiwari and Dr. Joshi who regardless of their busy schedule shared their knowledge and helped me in my research work.

I am also greatful to Shri. S.N. Shah, Metallurgy Department for helping me out in scanning electron micrograph. Thanks are also due to Miss Elizabeth Daniel and Miss Depa from Botany Department for rendering the help in identifying the plant species.

I would like to thank Dr. Diana Mendez and Dr. Rick Speare from James Cook University, Queensland, Australia for helping me in the Chytrid study.

I also thank my labmates and my friends Pratyush Patankar, Ambili di, Gowri di, Meena di and of course Raktim for all his natural and momentous snaps of life.

I sincerely extend my gratitude to Dr. B. Suresh, my dear brother Renjit, my dear friend and sweet colleague Miss Priyanka Sharma (Motu) and Pratyush Patankar for helping me in my field work.

I acknowledge the sacrificial dedication of my family to their belief in the importance of education. I am greatly thankful to my parents, my dear brothers Reni and Renjit and my sweet Bhabi, for her good advice and emotional support. I would like to thank my in laws especially my mother in law who always believed in me and constantly encouraged me to complete the studies. This period of my work was made lighter and joyful by my sweet and my precious nephew Chris, I thank him for angelic innocence which I always found on his face.

I graciously acknowledge my dear and great groups of friends Priyanka sharma, Jyotika, Hina, Mita, Ranjini and Sangita, who made the journey much smoother, enjoyable and cheerful and without whom the journey would have been lusterless. I thank and owe them a lot for everything.

My special appreciation goes to Mayuri, Sharat and Amee for their friendship, encouragement and general support.

Finally, I am deeply indebted to my husband, Rev. Shibu for his love, encouragement and support throughout the work. He was bold enough to sail the family across all odds and managing everything while I was away doing my research. I owe him the most for the successful completion of this work. I fondly dedicate this thesis to him and to my dear parents.

Over the past years, since the study started, many individuals have helped me in various ways whose names I might have missed out. I thank each and every one of them.