



making the task easier. I am thankful to Dr. Bodke, (HOD Botany Dept., Yeshwant Mahavidhyalaya, Nanded) and Prof. R.D. Pawar for their timely help. My sincere thanks goes to Dept. of Zoology non-teaching staff, for their kindly help and providing suitable assistance during this work.

Further, I heartly acknowledge my beloved parents, father, Shri.Yadavrao Piraji Waghmare and mother, Mrs, Shashikala Yadavrao Waghmare, whose blessings have always prompted me to pursue academic activities deeply. I carried out this work with blessing of my father-in-law Late Shri Malhari Kalwale. I also express my deep sense of gratitude to mother-in-law Mrs. Krishnabai Malhari Kalwale. In spite of this, I wish to remember the good wishes of my brothers, Jalindranath, Machindranath, Ravindra and Vikas Waghmare and Sisters- in- law Mrs. Kalpana, Mrs. Laxmipriya and Mrs. Aishwarya.

I have no words to express heartfelt gratitude to my husband Prof. Ajit Kalwale who has been a constant source of inspiration, encouragement, co-operation, suggestions and help during the entire period of this work. My special thanks goes from my core of heart to my lovely son, Soham Ajit Kalwale whose smile and co-operation extended me to relief all through this work and to complete this difficult task. I express my love to Sanskruti, Vaishnavi and sweet Om Sangvikar.

I am thankful to Mr. Ranjan Katlar, Mr. Aghamkar for their encouragement. I have also rendered my thanks to Devendra and Tushar More from Dev Computers, Chalisgaon for preparing excellent graphs, illustrations and presentable setting of this thesis. Finally, I will always remain a debtor to all my well- wishers for their blessings, without which this work would not have come into existence.

**Waghmare Savita Yadavrao**