## Acknowledgement

It gives me a great pleasure to record my deep sense of gratitude towards my teacher and research guide Dr.P.V.Sohani, Reader and Head, Dept. of zoology, Willingdon College, Sangli for his valuable guidance through out the progress of this investigation, He has patiently supervised the work and critically examined the results.

I am highly obliged to the authorities of Anekant Education Society, Prin.S.S.Herwade, and prin.Dr.Bhalerao, Jaysingpur College, Jaysingpur who kindly permitted me to undertake and complete the present research work.

I wish To thank prin.Dr.H.S.Nirmale, who has kindley cooperated me and readily placed all sorts of facilities in the zoology department of Willingdon College, Sangli at my disposal.

I would like to express my sincere thanks to ex-vice chancellor, late Dr.A.T.Varute, who was my post graduate teacher and my former research guide, who initiated me to work on the effects of plant extracts.

I also like to thank Dr.V.A.Sawant, Pref. and Head,
Department of zoology, Dr. N.K.More Dr. M.N.Nlawade, Dr.S.G.
Nanuware, Dr.M.M.Pillai, Dr.Mrs.A.A.Kanase, Dr.B.K.Power,
Dr. Thomake all my post graduate teachers and the
Administrative staff of zoology department Shivaji University,

Kolhapur for their kind co-operation in successful completion of present work.

I also wish to express my gratitudes towards all the teaching and non-teaching staff members of zoology department Willingdon College Sangli and those of Jaysingpur College, and my students who have co-operated me for successful completion of this strenious work.

I express my sincere thanks to my colleague, my friend and my husband Mr.A.G.Mankapure who had co-operated me devoted wholeheartedly throughout complete period of present work.

Lastly, it is my duty to thank Artist Mr.Kamble CFC, Shivaji University Kolhapur for skillful photomicrography, and Authorities of Resources Advance Computer Education, Miraj for Strenious typing of this dissertation.