ACKNOWLEDGEMENT

Happiness is the real sense of fulfillment that comes from hard work. It is said that sincerity and hard work breed success and these are precisely the qualities which I have found in my guide as a source of constant inspiration. It has been an honor to be her first Ph.D. student. The joy and enthusiasm she has for her research was contagious and motivational for me, even during tough times in the Ph.D. pursuit. I greatly indebted to my research guide, respected, Dr. (Smt.) Hemlata Janardhan Wankhed, Director Pre IAS training center Aurangabad for her inspiring guidance, stimulating discussions and constant encouragement throughout the present investigation, which enabled me to complete this work.

I am greatly expressing my sincere thanks to Dr. Y.K Khillare Professor and Head of Department, Dr. Babasaheb Ambedkar Marathwada University Aurangabad for providing necessary laboratory facilities in my research period.

I express my sincere thanks to well-known Helminthologist, Prof. G.B. Shinde, and Late Prof. B. V. Jadhav Ex. Head, Dept. of Zoology, eminent I am immensely thankful to Prof. C.J. Itluare, Dr. D.E. Sonawane, Dr. S.P. Zambre, Dr. (Mrs) S.V. Namam, Dr. (Mrs) S.R. Sonawane, Dr. (Mrs) S. N. Borde, Dr. R. J. Chavan, Dr. Shejule, Dr. Dummalod, Dr. Mokashe, Dr. Vedpathak and other members of teaching and non-teaching staff of Dept. of Zoology and Pre IAS training Center Aurangabad for their help and kind co-operation during the course of this work.

Success is not a goal of only your hard work. It is a combination of all goodness, consistency and moral support and pray of your good wishers. My heartfelt thanks to my father Mr. Pravin L. Aade and Mother Joma S. Aade. Whatever I am and whatever I will be in future is because of their enormous efforts, commitments to my ambitions and selfless sacrifices. This Ph. D. thesis is a result of the extraordinary will, efforts and sacrifices of my parents. My successes are dedicated to them now and always.

I express my thanks to whole of my family who always feels proud on me. Most importantly, the deepest thanks from the bottom of my heart should be dedicated to brothers Sandeep and Anmol for their great support and constant encouragement. There is some power in blessings. In every success there is someone who blessed for you. Someone who not only bless you
but also take care of your emotions, your frustration, your good willing and so much. I found all of things in my all family members especially in my elder sisters Miss Shila P. Aade for their great support and constant encouragement. Lastly thanks to my sister in law Vinod jiju and brother in law Manisha and Vidya Aade.

I wholeheartedly thank my Uncle and aunty Mr. B.U. Rathod and Sou. Anita B. Rathod for their inspiration, blessing, encouragement, continuous support, suggestion throughout my research work.

Good friends are always strength to themselves. The goal and the success is finally completed due to the kind co-operation and moral support by my friends Kalpana, Pavan Rathod and Sachin Rede who encouraged me throughout my work.

I have special thanks to my colleagues And Seniors for their positive attitude And kindness for maintaining good spirits, sharing a lot of knowledge to my Lab colleagues who constantly encourage in conceivable manner Dr. Yogesh Meddy, Dr. Vasant Dangare, Dr. Nirmale Manorama, Dr. Tambe, Dr. S. D. Patil, Miss. Shubhangi Dwekar, Mr. Prabhav Ali, Mrs. Sujata Patil, and Dr. Sushil Jawle and all other research colleagues for their willing assistance and support.

I would like to thank my dear friends Swati, Deepali, Pragati, Asawari, Gunwati, Anita, Swati JadHAV, varsha, Sandeep, Siddharth, Bhagwan, Anant, Mangesh, Amol and Pavan who always has been beside me offering supporting hand.

I must acknowledgement deep appreciation to Mr. B.S. Dhole, photo artist for the excellent work of photography for my M. thesis with great patience skill in time.

Finally, big thank goes to all my well wishers and to many great people who helped and supported me directly or indirectly throughout my work.

Miss ULKA PRADHU AADE.