ACKNOWLEDGEMENTS

The credit for the accomplishment of this investigation goes to the scholarly guidance constructive criticism and constant help of Dr. B.V. Jadhav, Research Guide and Lecturer, Department of Zoology, Marathwada University, Aurangabad, under whose supervision this work was carried out. My foremost thanks goes to my guide.

The author takes this opportunity to offer his deep sense of gratitude to Dr. G.B. Shinde, Professor, Marathwada University, Aurangabad who has guided me on many occasions by his pacific knowledge and command over the subject.

I am immensely thankful to Professor and Head, Dr. S.D. Kalyankar, Department of Zoology, Marathwada University, Aurangabad for providing the necessary laboratory facilities.

It is my duty to express my thanks to the President, Nagar Shikshanvikas Mandal, Shri Madhavrao patil and Secretary Shri Shelke B.S., Shri Basavrajpatil and Principal K.H. Purohit, Principal D.T. Bhosage, for giving me opportunity and encouragement in completing this work.

It is my duty to express my deep sense of gratitude to my elder brothers Shivaji, Ambadas, Devidas, nephews Bhim, Arjun and Patil, Suryawanshi, Shinde, Pawar, Mane, More, Bhosale, families. My wife sot. Vidullata, daughter
Manju and all other relatives for their valuable co-operation and constant encouragement with love and affection without which it would not have been possible on my part to complete this work. I am much greatful to Shri Vithalrao Shinde and S. Rukmini Shinde who encouraged me to take up this task. I do not find enough words to express my greatfulness to them.

I owe my sincere thanks to my colleagues and friends Mr. Anant Gavhane, C.J. Hiware, Kadam, Gore, Kale, Kalyane, Mrs. Pathrikar, Vaware, Dr. Bhosale, Dr. Shinde, Mr. Bargal, Mahavir, S.B. Shinde, Dr. Reddy, Survase M.B. S.N. Chandhari, Deshmukh, Mohite, Principal Guthe T.G. and Institute staff members for their co-operation during this work.

Thanks are due to Mr. Nitin Nikam for the dextrous typing of the thesis.

Lastly but not the least, I feel a deep sense of gratitude towards my parents for their affectionate encouragement, for the same, I am dedicating this thesis to them with respect and love.

June, 1992

( M. G. BABARE)