

ACKNOWLEDGEMENT

It gives me great pleasure to express my deep sense of gratitude towards my research guide Dr. D.V. Muley, who is imperturbable, magnanimous and of friendly nature with syllogistic ability. He has been a constant source of inspirations and has given me stimulating research thoughts to fulfill the frontier line of research work.

I owe my sincere thanks to Prof. Dr. V.A. Sawant, Head, Department of Zoology, Shivaji University, Kolhapur for providing necessary laboratory facilities during the tenure of work.

I express my thanks to Dr. G.P. Bhavane, Dr. M.M. Pillai and Other respected staff members of the Zoology department, for extending every possible help to me during work.

I shall ever remain indebted to Dr. S.D. Jadhav Principal, S.G.M. College, Karad, who is a source of inspiration for me, I also thank Mr. A.E. Barge, Principal, Chhatrapati Shivaji College, Satara for his encouragement and help. I am very much thankful to Mr. K.S. Mohite, Principal, Karmaveer Bhaurao Patil Mahavidhyalaya, Pandharpur for his kind co-operation throughout my study period.

My thanks are also due to Assistant Fisheries Development Officers Mr. Phadtare, Mr. Bhilave, Mr. Surve, Mr. Mane Sanjay

and Mr. Bhadule for making the fish available for experimental work on time.

I should not miss this opportunity to thank my research colleagues and friends Mr. Manjre Surat, Mr. Pailwan, Mr. Lavate Amar, Smt. Sushma Jadhav, Mr. J.D. Yadav, Mr. R.L. Savalajkar and Mr. Prasannakumar Patil for extending helping hand and co-operation whenever necessary.

I wish to express my thanks to Mr. Mandlik, Mr. Date, Mr. Chacko, Mrs. Shaikh and other non-teaching staff of the Department of Zoology.

It is beyond my reach to find the proper words of affection towards my affectionate parents for their constant encouragement and moral support.

I am failing in my duty if I do not express my deepest gratitude towards my wife Sou. Vijaya who tenderly looked after everybody at home and carried all the domestic responsibilities on her shoulders to let me be comfortable at my work without her constant inspiration encouragement and co-operation, it could have been quite impossible for me to complete this work. The mischievous antics and cheering moments with my daughter, Sayali, through her confidence generating smile gave always a lot of relief in the tension of my work.

I thank honestly and sincerely to my work in-laws Mr. Bhasme Appa, Aai and Anna and Mr. Khurd Taty, Aai, Sanjay and Veena for their helping hand co-operation and support whenever I was in tight corner during the period of my work.

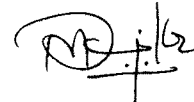
I am very grateful to University Grants Commission, W.R.O. Pune for awarding me Teacher Fellowship under F.I.P. of IX Plan to carry out this work during the period of research.

Last but not the least, I thank Mr. Sikandar Shaikh for neat and skillful computer typing of the dissertation strenuously.

Sometimes even the smallest help can be of immense importance. All persons who have helped me in such a manner cannot be named but my thank to all of them.

Place : Kolhapur.

Date : 29th June, 2001



D.M. Karanjkar
Research Student