Acknowledgement

At the very outset, I take this delightful opportunity to express my deepest sense of gratitude and indebtedness to my revered teacher and research guide Prof. M.M. Goswami, Department of Zoology, Gauhati University, Guwahati, Assam, for this most valuable guidance and suggestion with rigour and subtlety. I remain ever grateful to him for his inspirational supervision which pave the way towards completion of my research work.

I remain indebted to the Head, Department of Zoology, Gauhati University for providing necessary departmental laboratory facilities and library facilities during my study period.

I acknowledge my sincere gratitude to Dr. B.Baruah, honourable Principal, Dhemaji College, Dhemaji, Dr. D. K.Neog, Vice Principal, Dhemaji College, for their understanding and Co-operation through out nay research work.

I offer my sincere acknowledgement to various Departments for giving permission to work in their laboratories namely, Fish Biology and Fishery Science Laboratory and Laboratory of UGC-SAP (DRS) project of Zoology department, Gauhati University and Departments of Zoology of North Lakhimpur College and Dhemaji College, Assam

I also duly acknowledge the help received from the District Fishery Development Office, Dhemaji for providing some essential physio-geographic data of Dhemaji district, Assam.
I convey my heartfelt gratitude to Dr. Janardan Pathak, Asstt. Professor, B. Barooah College and Mr. Arup Bura Gohain, Research Scholar, Department of Zoology, Gauhati University for their constant help in compilation of the thesis.

My special thanks to Dr. U.K. Sarmah, former HOD Department of Botany, Dhemaji College for identification of the riparian plant species.

I am grateful to Dr. L. Hajarika, the Associate Professor of Zoology Department, North Lakhimpur College for his constant help in captive breeding programme. My thanks are also due to D. Hajarika and P. Deori, the Asstt. Professors of Dhemaji College for their inspirational cooperation and help throughout my research period.

I also convey my thanks to Sewali Pathak, Asstt. Professor, Bijni College, Assam for her technical help in taxonomic confirmation of the channa species.

I take the opportunity to offer my sincere thanks and appreciations to all the local inhabitants, skilled fishers and energetic local youths who are heartily involved in helping me in the difficult field work more particularly during the study of micro habitat and population of Channa aurantimaculata in the riparian swamps besides the habitat study in open water zones.

I also take this opportunity to express my hearty sense of gratitude to my mother for her blessings and other family members, my wife and kids for their cooperation, encouragements and supports without which it would not have been possible to complete my work successfully.

Date (Banjit Bhatta)