ACKNOWLEDGEMENT

It was great opportunity to learn lots of things during my research work. There are great people who have helped me during my work. I utilise the privilege of this opportunity to express my deep sense of heartfelt gratitude and regards to my respected teacher and Guide, Professor Dr. Devashish Kar, for his constant guidance, invaluable advice and encouragement throughout this work. He has not only taught us in the laboratories and classes but also has been constantly with us in almost all the field visits to teach us the methodology and collection of data.

The undersigned likes to express his profound appreciation to many generous personalities, notably, the Honourable Vice-Chancellor, Assam University, Silchar; the Dean, School of Life Sciences, the Head of the Department of Life Science, the other esteemed teachers and Supporting colleagues in our Department and in other departments in the University.

I would like to record my deep sense of respect and regards to some of the pioneer workers in the field of Limnology and Fisheries in India, notably, Professor N.C. Datta of Calcutta University, Professor S.C. Dey of Gauhati University, Professor H. Tombi Singh of Assam University (Diphu Campus), and so on, for their blessings and helps. Also, the kind advices of Professor Anilava Kaviraj, Head, Department of Zoology, Kalyani University, is worth mentioning here. I thank especially to Dr. Rathin Sharma, Mr. Himabrata Chakraborty sir for their kind and cordial encouragement beside my academic carrier and Dr. Nibedita Sen, Z. S. I. Shillong for her help in the identification of some fishes.
The author offers his sincere compliments to many personalities like Dr Dibyajyoti Bhattacharjee, Department of Management studies, Assam University, for his great help in statistical analysis. I would like to thank Mr. Bhaskar Saha, Mr. Partha Pratim Deb, Mr. Abhijit Bora, and Mr. Monojit Borthakur for their great help in GIS analysis. My friends notably, Mr. Bubul Das Miss Shibani Das and Miss Shanta Deb each of them are exclusive think tanks, helped me a lot during the work. I am very much lucky to have such lovely and sweet friends.

Finally, I desire to record my regards and gratitude to my family members, notably, my parents for their kind helps and support.