The present research work entitled “Studies on Hydrobiological Monitoring Avifauna and Ichthyofauna of Mahasangavi Dam Dist. Beed. (M.S.) India” is submitted on fulfillment of requirement for the degree of Doctor of Philosophy in the faculty of science of the Dr.Babasaheb Ambedkar Marathwada University, Aurangabad M.S. (India).

Efforts are made to illustrate this matter with help of maps, photographs, graphs and calculation.

Water in the nature is considered as an essence of life without it no life can sustain on the earth. The problem of population explosion, the scarcity of water, urbanization and industrialization due to various human activities, the severe problems of water pollution has resulted in the alternation of physicochemical and biological characteristic of water.

The present research work involved the collection and analysis of samples from four sampling sites of study area. The study shows the results well under prescribed limits for inland surface water and may be useful for aquaculture and irrigation purpose.

It is expected that the present investigation may add little bit knowledge in the field of hydrobiology, biodiversity of wetland birds and fishes. Biodiversity of wetland birds is disclosed the presence of variety of migratory birds, planktons, helminth eggs, protozoans at the site. The fish species were identified with the help of Zoological survey of India, Pune where as birds identification made by “BNHS” Mumbai. The morphometry of Mahasangavi dam was made available from the department of irrigation of Patoda Taluka.