PREFACE

The present research work entitled, “Biodiversity of Kolsur Dam, Kolsur Dist. Osmanabad, (M.S.) India.” is submitted for fulfillment of requirement for the degree of the 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 the help of photographs, diagrams, maps and graphs.

The growing importance of the Biodiversity study of the world during the past seven to eight decades, have been indicated by the publications of several papers on this subject, therefore it is felt to supplement the knowledge regarding variation of physicochemical and biological properties of water body of Kolsur Dam, Kolsur. The present research work involved the collection and analysis of samples from four sampling stations of the Kolsur Dam. The studies showed the results well under prescribed limit for inland surface water and may be useful for aquaculture and irrigation purpose.

However, it is expected that the present investigation may add little bit knowledge in the field of bio-diversity of Arthropods, Mollusca wetland birds and fishes. Microbiological investigations showed the presence of some harmful pathogens at various sites. Bio-diversity of wetland birds disclosed the presence of variety of migratory birds. Some plankton species and aquatic weeds were found indicating pollution at the site. The species were identified with the help of Zoological Survey of India, Pune and Bombay Natural History Society, Mumbai. The morphometry of Kolsur Dam water was made available from the department of Irrigation, Maharashtra State.