ACKNOWLEDGEMENT

I express my deep sense of gratitude to my affectionate reverend research guide Dr. S.S. Patil, Associate Professor, Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, for his noble, meticulous guidance, immense help, invaluable suggestions, constant encouragement & unstinted advice throughout the course of this investigation. Without the untiring interest & magnanimous help, it is not possible to this thesis to see the light of the day. I owe my profound regards to him for this research work. He was never a mere lamp post, but the torch bearer who lead me through the lovely dark and deep woods of research. The credit for this accomplishment goes to him only. I am fortunate to have worked with such a recognized Environmentologist. Through the association and working with him, it has been an intensive rewarding experience.

I would like to express my special thanks to Shri R.S. Dhongade, Director Accounts and Treasury, Mumbai, Shri P.R. Rathod, Joint Director Education MEIPA, Aurangabad. Shri A.K. Nigam Chief conservator of Forest (Wild Life), Nashik, Shri Nishikant Piplapure, Nagpur, Shri B.U. Pathak, Shri Vikram Shivangikar, Shri Bhushan Kulkarni and Shri Vijay Diwan, President Nisarg Mitra Mandal.
I would like to express my special thanks to Dr. Mrs. J.B. Deshpande, Dr. S.S. Mokashe, and Dr. Papdiwal, Dr. Andhale and Dr. Khedkar for their vigilant cooperation during my entire experimental work in the field of zooplankton aquatic plant and fishes respectively. I am highly thankful to my colleagues Dr. Rajesh Auti, Dr. R.R. Matkar, Dr. S.B. Shinde, Dr. Machale, Dr. R.D. Joshi, Mr. Jadhavar, Mr. Abdo Hassan, Mr. Ishwar Goharade, Mr. Vishnu Potadar, Mr. Karkare for timely suggestion and creating such nice, fluently functioning and working surroundings.

I express my deep sense of thanks to Dr. M.B. Mule Prof. & Head of Department of Environmental Science Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Dr. N.N. Bandela Associate Professor, Dr. B.L. Chavan Reader, and Miss Y.L. Padme Assistant Professor, for their encouragement and academic support during the research work.

I express my sincere, heartfelt gratitude to Late Dr. M.S. Kodarkar, Hyderabad for constant inspiration to work independently during the entire course of this research work will remain symbol of inspiration to me throughout my life.

The blessings of my parents Shri Diwakar Yardi, and Sau. Anuradha D. Yardi, has always been a source of inspiration to me without which it would have been impossible to complete this work, with love and respect, I am dedicating this thesis to them. I can not forget the moral support given
by Shri Shamrao and Arunatai, Deepak and Seema, Dhruv and Salil during my research work I wish to express my gratitude to my wife Ashwini for her untiring patience, support and encouragement throughout the period of my research work and warm greetings of my daughters Arti, Aditi and Mr. Neeraj Shivangikar for his kind cooperation during my research work.

I take this opportunity to express my sincere, gratitude to Sau. Sandhya S. Patil for the encouragement during the said research work

My thanks are also due to Mrs. Gauri Nikam for her excellent computer work and completing the work well in time. Lastly I thank one and all who directly or indirectly extended their co-operation to me in completing this research work. My thanks are also due to all the non-teaching staff of Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

Mr. D.D. Yardi