ACKNOWLEDGEMENT

It is my first job to offer my most special acknowledgement and gratitude to my beloved guide, Dr. N. S. Chavan (Mulik) for her commitment to excellence and the highest professional standards. Who devoted whole research work for giving something new, fresh and the experience never felt before. The research work is out come of her great efforts for continuous encouragement, valuable guidance and inspiring discussions.

I am very much thankful to Prof. (Dr.) G.B. Dixit, Head, Department of Botany, Shivaji University, Kolhapur for his constant and continuous encouragement and for providing necessary facilities to carry out my research work.

It is also my duty to express my great thanks to Prof. (Dr.) B.A. Karadge, Ex-Head, Department of Botany for his constant encouragement, suggestions and moral support during my research.

I owe heavy debt of gratitude and indebtedness to Prof. P. D. Chavan, Prof. S. S. Kamble, Prof. S.R. Yadav, Dr. A.B. Sable, Dr. M.M. Dongare, Dr. D. K, Gaikwad, Dr. V. S. Rathod, Dr. N. B. Gaikwad and Dr. R.V. Gurav for their suggestions and cooperation.

I remember the life time inspiration of Late Prof. T.M. Patil Sir.

No one can undertake a work of this magnitude without a grateful deal of help. It would be ungracious if I would not express my deep sense of appreciation to my friends Mahesh, Sandesh, Amol and Dadasaheb who always inspired to do something special. The most precious thanks to my senior colleagues Dr. M. V. Gokhale Sir for his unforgettable suggestions for my research work and I would like to thank all my senior and junior colleagues

who directly or indirectly helped me.

I am very much thankful to Dr. S. F. Fernandes, Mr. Padalkar, Mrs. Sawant, and Mrs. Adake for their kind cooperation. On the occasion of this I put on record thanks to non-teaching staff of Botany Department and Staff of CFC and USIC Shivaji University, Kolhapur.

I am thankful to Dr. J.K, Patil Principal, K, B. P. college Urun-Islampur and Mr. P. V. Gaikwad Head, Department of Botany, my colleague and non-teaching staff as well as my students for their moral support.

It is great pleasure for me to recall my warm feelings for my parents. Words cannot express my feelings of gratitude towards my father, mother, brother and sister in law for all the unusual ways in which they have helped me and given emotional support and for providing the most favorable environment for my entire education. I will not forget new member and the hope of my of family, Ruturaj.

Last but not the least I express my great sense of gratitude to all my known and unknown well wishers.

Mr. Sanjay Balaso Jadhav