



ACKNOWLEDGEMENTS

It is a great pleasure to express my heavy debt of gratitudes to Dr. Prakash D. Chavan, Department of Botany, Shivaji University, for his valuable guidance and encouragement without which this piece of work would not have been concluded.

It is my pleasant duty to offer my sincere thanks to late Prof. G.V. Joshi for his inspiration during all these days. My thanks are due to Dr. U.K. Kulkarni, Head of the Department of Botany, Shivaji University, Kolhapur, for providing laboratory facilities.

I deem it my pleasant duty to offer thanks to Shri K.R. Yadav, Principal, New College, Kolhapur, Shri J.B. Patil, Head, Biology Department and members of Shri Prince Shivaji Maratha Boarding House, for providing facilities to work in college laboratory. Co-operation rendered by the staff of New College is also appreciated.

I gratefully acknowledge the help rendered by teaching staff, non-teaching staff, research students and teacher fellows of this department.

My grateful thanks are due to Dr. B.A. Karadge, Shri N.A. Rajmane, Dr. G.B. Dixit, Shri S.V. Jagdale, Shri A.S. Nigvekar and Shri C.V. Murumkar, for their valuable suggestions and help during my study. My thanks are extended

to Shri Dhananjay Desai, Shri Sudhir Swami, Shri Prakash Hankare, Shri Uday Desai and Miss Jyoti Mane of Chemistry Department for their help in experimental work.

My family members, always provided most favourable environment for my education as well as research. My gratitude to them knows no bounds. I wish to specially mention the help rendered and encouragement given by my beloved wife Mrs. Swapnaja.

I am thankful to Mr. P.T. Patil for typing work, Mr. Ravan for tracing work, and Mr. M.R. Deshmukh and Mr. Raut for nice photography.

Balawade
9/15/83.
CANDIDATE