<u>ACKNOWLEDGEMENT</u>

I was eagerly waiting for the day to express my heartstrings about Dr.B.A. Hegde, Professor and Head, Department of Botany, Shivaji University, Kolhapur for his invaluable guidance and encouragement which symbolizes all the qualities of devoted teachers and devoted researcher. He is versatile intthinking and developing a new knowledge in research methodology so as to build original creative model with applied out look. This only has shaved my career in definite direction.

I gratefully acknowledge the help rendered by Dr. T.M. Patil, for all the encouragement and help.

I express my sincere to Dr.B.A.Vagyani, Dr.G.B.Dixit, Dr.M.R.Lugde for their encouragement.

I would like to offer my appreciation and sincere thanks to all my research colleagues for their spontaneous assistance.

It is needless to say that I am grateful all other members of the staff of the Department who extended co-operation to me directly or indirectly.

I will be failing in my duties if I do not record here about the help rendered and encouragement given to me by my family members.

I am also grateful to authorities of Shivaji University, Kolhapur for providing me all the available research facilities to carry out the research.

Lastly but not least my sincere thanks are due to Shri P.R. Chougule for skillful typing of the thesis and also Shri Sunil Nasirabadkar for neat binding of the thesis and Shri M.R. Deshmukh, for skillful photography.

Date:

Kolhapur.

Jagatap, M.N.