Acknowledgement

I feel a great pleasure to express my graitude for the kind co-operation given by my research gui; Dr.B.A.Karadge, Department of Botany, Shivaji Univerity, Kolhapur. He has been a continuous source of inspiration to me. Only because of his able, masterly and valuable guidance, I am able to complete this work. I express my deep sense of gratitude to him.

I am very much thankful to Dr. B.A. Hegde, Head of the Department, for his constant encouragement and facilities provided by him.

I am very much thankful to Dr. P.D. Chavan and Dr. T.M. Patil for the kind help rendered to me.

I am also thankful for the help by all my laboratory colleagues.

I have to mention special thanks to my friends Mr. P.K. Kulkarni, S.N.Sadle and Mrs. A.A. Suryavanshi without their help it could not have been possible for me to complete this thesis in time.

It would be ungracious, if I don't acknowledge the co-operation extended and the patience maintained by my family members.

I must thank Mr. Ravan for the tracing work and Mr. Chougule for the prompt and neat typing work.

I am thankful to other teaching and non-teaching staff members of the Department for their valuable work.

Finally, I express my deep sense of gratitude to all my well wishers.

Kolhapur,

Date: /2-/0-1989

- V.P.Patil.