

**ACKNOWLEDGEMENT**

It is a pleasant aspect that I have now opportunity to express my gratitude to all those who helped me in my research work.

It is a great pleasure to express my indebtedness to my research guide Dr.A. B. Kamble. His able and valuable guidance and continuous support enabled me to finalize this piece of work. I remain ever grateful to him for the same. It is my privilege that I could get an opportunity to work under his guidance.

It is my pleasant duty to offer my sincere thanks to Dr. A.S. Bhoite, Principal, Y.C.I.S. Satara and Dr. M.M. Rajmane, principal, S.G.M. College, Karad for providing facilities to work in college laboratory. I am grateful to Dr. Khandekar V.P.; Head, Department of Botany, Y.C.I.S. Satara and Shree V.B. Jadhav, Head, Department of Botany, S.G.M.College, Karad for providing laboratory facilities to carry out this work. Keen and valuable suggestions given by them are gratefully acknowledged.

I wish to thank staff members of Botany Department and Biotechnology department, S.G.M. College, Karad and Department of Botany, Y.C.I.S. Satara, Dr. S.D Sankpal, Dr.B.D.Patil, Dr. B.J.Patil, Shree B.D.Mohite, Mrs. M.V. Kishore, Shree Ghadge, Miss Hake, Miss Bagwan, Dr. S.H.Mahamulkar, Dr. A.B.Pawar, Dr. D.N.Jadhav, Shree D.A.Kadam, Shree P.R.Patil, Shree R.B.Dhage, Dr. B.A.Kore, Dr. C.T.Karande, Dr.Mrs.V.C.Karande, Shree Y.T.Shinde for their generous support and encouragement.

The library staff of Shivaji University, Kolhapur, Y.C.I.S.Satara and S.G.M.College, Karad are also acknowledged for the help in required reference material.

I would like to thank to my colleagues for their valuable help. I gratefully acknowledge the help rendered by nonteaching staff of S.G.M.College, Karad, Shree Mane, Shree Patole, Shree Patil, Shree Khatavkar, Shree Ingawale, Shree Dongre.

Lastly but not least, I would like to thank my parents 'Aai ' and ' Kaka ', my uncles, aunties, my brother Amol, Jyoti, Salunkhe family, Phalke family, Pawar Family and Yadav family for their blessings and best wishes. They have always provided a favourable and healthy environment without which it was impossible to complete this work. I would like to thank them for their endless love and trust.

**Miss Patil Suvarta Suresh**