## **ACKNOWLEDGEMENT**

I would like to be express my deep gratitude to Dr. G.S. GOKAVI, M.Sc., Ph.D. Lecturer in Physical Chemistry, Department of Chemistry, Shivaji University, Kolhapur for his constant encouragement, most helpful comment and generous and valuable guidance, without which this work would not have been possible. I shall even remain grateful to him.

My sincere thanks are to Dr. R.B. Mane, Professor and Head, Department of Chemistry, Shivaji University, Kolhapur for the inspiration and providing the facilities.

I wish to express my deep sense of gratitude to Prof. K.J. Patil, Head, Physical Chemistry Section and I am also thankful to Dr. A.M. Chavan, Dr. M.D. Bhand, Dr. S.N. Deshmukh and Dr. S.R. Patil for their continuous encouragement and heartly co-operation. I am also thankful to members of teaching staff of Chemistry Department for their kind co-operation.

I am also grateful to the management of RAYAT SHIKSHAN SANSTHA, Principal Dr. T. K. Pawar and Vice-Principal Shri. J.B. Kadam, Y.C. Institute of Science, Satara for granting me permission to complete M.Phil course.

I am also thankful to U.G.C., New Delhi for best owing an opportunity to me by awarding teacher fellowship.

I must express my heartful thanks to my Mrs. Savita A. Gidd, all family members and relatives for their co-operations encouragement throughout my work.

I believe it as my pleasant duty to offer thanks to my affectionate friends Shri. J.L. Thote, Shri. A.J. Handi, Shri. B.S. Mehetre, Dr. P.R. Patil, Shri. J.H. Shinde and teaching and non-teaching staff members of Y.C. Institute of Science, Satara for their co-operations.

Finally as a teacher fellow at the Department of Chemistry, Shivaji University, Kolhapur. I have received immense help and encouragement by the non-teaching staff. I take this opportunity to thanks all of them.

Place: Kolhapur

Date: 27-10.94

A.N. Gidd