

A C K N O W L E D G E M E N T

It gives me a great pleasure to express my sincere gratitude to Dr. V.S.Kulkarni, Lecturer in Physical Chemistry, Shivaji University, Kolhapur for his keen interest, meticulous and inspiring guidance during the course of this investigation.

Thanks are due to Dr. D.S.Ambardekar, Professor and Head of Chemistry Department, Shivaji University, Kolhapur for his creative Co-operation and providing me the necessary facilities to complete my work.

I wish to express my sense of gratitude to Dr.A.M.Chavan, Reader in Physical Chemistry, Dr.S.K. Haibatti, Dr. S.N.Deshmukh, Dr. M.D.Bhand, Shri.S.R. Patil, Head of Chemistry Department, Krishna Mahavidyalaya, Rethare for their kind co-operation during the progress of this research work.

I would like to express my heartiest thanks to Shri.Chandraraj Patil, President, Shikshan Prasarak Mandal, Khatav and Shri.J.K.Muley, Principal, Shahajiraje Mahavidyalaya, Khatav for their constant encouragement.

I gratefully acknowledge the help rendered by my colleagues Dr. C.G.Yeole, Shri.D.S.Mane, Shri.N.M. Mane, Shri.M.A.Chougule, Shri.Todakar.S.M., Shri. R.K. Sakhare, Shri.R.S.Thorat and Shri.P.R.Pawar.

I am very thankful to the members of teaching and non-teaching staff of Chemistry Department, Shivaji University, Kolhapur for their kind co-operation.

No words are adequate to express my heartiest gratitudes to my wife Sou. Chhaya, Shri. Shekhar Shinde and my family members for their active encouragement and help.

I must mention my sincere thanks to the University Grants Commission, New Delhi, for awarding me a teacher fellowship for one year.

I am thankful to help rendered by Shri.S.G.Shinh, Khalsa type writing institute, Khatav and Shri. D.S. Patake for typing of this dissertation.



(S. A. JADHAV.)