

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 cooperation 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, and Dr. C.K. Bhaskare, Reader in Inorganic Chemistry for their kind cooperation during the progress of this research work.


I would like to express my heartiest thanks to our Principal Shri B.R. Choudhari, our Head of Chemistry Department Shri N.S. Patil and Rayat Shikshan Sanstha, Satara for their constant encouragement.

I gratefully acknowledge the help rendered by my colleagues Shri M.K. Jagtap, Shri S.R. Patil, Shri S.A. Jadhav, Shri L.D. Waghmode, Shri D.S. Arekar, Shri Vilas Kengar, Shri Vijaykumar Waghmode and Shri Vasant Rao Mote.

I am very thankful to the members of teaching and non-teaching staff of Chemistry department for their kind cooperation.

No words are adequate to express my heartiest gratitudes to my wife Sou. Suman, Children, Swati and Sachin 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.


(T. G. METKARI)