

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

This work would not have been possible without the continued interest and stimulation provided by my research guide Dr. D.G. Achardkar, Reader in Physical Chemistry, Department of Chemistry, Shivaji University, Kolhapur. His constant encouragement and inspiring guidance has not only created in me the interest in the subject but have helped me to sustain it for years to come. I wish to record my sincere thanks to him.

I shall be failing in my duty if I forget to mention with gratitude the help rendered to me by Dr. V.D.Ulkar, Nejams College, Kolhapur. Frequent discussions with him enabled me to carry on my work with a great insight. I also record my sincere thanks to Prof. P.N.Gulkarni (Varenangar) for his kind co-operation.

Similarly, Prof. S.O.Sava, Principal and Prof. H.V.Campal, the Head of Chemistry Department, Sangameshwar College, Kolapur, provided me the facilities to carry on the work for which, I am thankful to them.

Let me also express my thanks to the University authorities, viz., the Head of the Chemistry Department, the Registrar for providing me the experimental facilities in the Department.

I am grateful to Principal, H.Roshikshayana, Co-Principal of the Sangameshwar College, Kolapur and the present honourable Vice-Chancellor of the Shivaji University, Kolhapur for his inspiration through out the course of my service in the college and the M.Phil course.

AMY-R.V.

May 16, 94.

(R.V. AGRAWAL)