ACKNOWLEDGEMENT

It gives me a great pleasure to express my sincere sense of gratitude to Dr.(Smt.) S.G.Kawatkar, M.Sc.,Ph.D., Lecturer in Inorganic Chemistry, Shivaji University, Kolhapur, for her keen interest, inspiring guidance and valuable advice throughout the course of this investigation.

I am sincerely thankful to Dr.C.K.Bhaskare, Reader and Head of the Inorganic Chemistry Section, Shivaji University, Kolhapur for his unlimited cooperation, creative supervision and suggestions during the course of my research work.

I am also thankful to Dr.M.H.Jagdale, Prof. and Head of the Chemistry Department, Shivaji University, Kolhapur for making the research facilities available for this work.

I record my thankfulness to Shri N.R.Attar, Principal, S.M.Junior College, Kankavali, who allowed me to work for M.Phil. course. I feel grateful to Shri A.M.Humbe for his prompt and unreserved assistance for the present work.

Department of Chemistry,

Shivaji University,

Kolhapur 416 004.

May , 1984

m.V.)05Wi (Miss Mrinalini V.Joshi)