ACKNOWLEDGEMENT

It gives me a great pleasure in expressing my sincere and heartfelt gratitude to Dr. S.V. Kulkarni, Reader in Inorganic Chemistry, Department of Chemistry, Shivaji University, Kolhapur for his valuable, kind guidance and advice throughout the course of this investigation.

I am grateful to Prof. R.B. Mane, Head, Department of Chemistry, Shivaji University, Kolhapur for the encouragement from time to time.

I am thankful to Prof. M.B. Chavan, (Head) and other members of staff in inorganic section for their kind help in carrying out the work.

I express my heartiest thanks to Prin. Abhaykumar Salunkhe, Secretary, 'Shri. Swami Vivekanand Shikshan Sanstha', Kolhapur.

I am very much thankful to Prin. D.A. Patil, Vivekanand College Kolhapur, for giving inspiration to carry the work.

I am thankful to Head and all colleagues, in Department of Chemistry, Vivekanand College, Kolhapur. I express my sincere thanks to Dr. S.S. Joshi, Dr. S.K. Soman, Dr. A.A. Rathod, Dr. R.S. Kamble, Shri. V.S. Ganbawale, Shri. N.R. Andhare and Shri. D.D. Godkar for their co-operation.

I am thankful to Shri. M.P.Mane, Super-Pro Computers, Kolhapur, for his neat and clean typing and Shri. U.K. Baraskar for his correct drawings.

I must put on record my deepest gratitude towards the members of my family who inspired me for the completion of research work.

Place : Kolhapur Date : 26th July 1994 S.B. Kolekar