

## ACKNOWLEDGEMENT

I offer my thanks and regards to Dr. (Smt.) S.G. Kawatkar, Reader in Inorganic Chemistry for her constant encouragement, keen interest and valuable guidance throughout the course of this dissertation. Really, I am lucky to have her precious guidance for the successful completion of my work.

I am highly indebted to Prof. Dr. M.B. Chavan and Dr. S.V. Kulkarni, Reader in Inorganic Chemistry for their valuable suggestions and discussions about this subject.

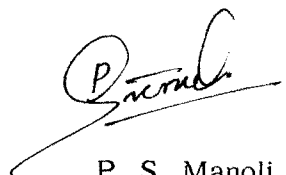
I am thankful to Prof. R.B. Mane, Head, Department of Chemistry, Shivaji University, for making available the necessary facilities to me to carry out my work.

I extend my thanks to Prof. Dr. K.J. Patil, Dr. S.N. Deshmukh and Dr. G.S. Gokavi from Physical Chemistry Section, who have kindly extended their helping hands whenever I requested.

I am very happy to acknowledge the friendly and the active academic cooperation of Shri R.V. Nimbalkar and Shri E.S. Sathe. Also I am thankful to the members of non-teaching staff of the department of their useful assistance in the work.

The Principal Dr. G.S. Nadagouda, S.S. Arts College and T.P. Science Institute, Sankeshwar, the members of Managing Committee S.D.V.S. Sangh, Sankeshwar and the colleagues have helped and encouraged me in doing my work successfully. So I express my hearty thanks to them.

*I wish to record my thanks to members of my family and friends for creating an environment which helped me to complete this work.*



Department of Chemistry,  
Shivaji University,  
Kolhapur - 416004

P. S. Manoli  
Lecturer in Chemistry  
S.S. Arts College and  
T.P. Science Institute,  
Sankeshwar

December **30** , 1993.