ACKNOWLEDGEMENTS

I am extremely fortunate to have, as my guide Dr.(Mrs.)

V.A. Jadhav, Lecturer, Department of Chemistry, Shivaji

University, Kolhapur. I take pride and pleasure to acknowledge here the constant, generous and invaluable help, guidance and encouragement which she has been giving me throughout my work.

I am thankful to Dr. M.H. Jagdale, Prof. and Head, Department of Chemistry, Shivaji University, Kolhapur for providing me the necessary facilities to complete this work.

I wish to express my deep sense of gratitude to Dr.C.K. Bhaskare, Reader, Inorganic Chemistry for his continuous encouragement and hearty co-operation which enabled me to complete this work. I am thankful to members of teaching and non-teaching staff of this department for their kind co-operation.

I would like to record my thanks to my friends - S.p. Pachling, H.N. Suresh, R.v. Nimbalkar and B.N. Muthal for their kind co-operation during the period of present work.

P. s. dikule,