ACKNOWLEDGEMENT

Words are inadequate to express my feeling while recording my deep sense of gratitude and respect to my teacher and guide Prof. S. R. Patil. The work presented here could not have been accomplished without his inspiring guidance, constructive criticism and constant encouragement during the course of my research programme.

I owe to Prof. S. R. Patil, Head, Department of Chemistry, and Shivaji University Kolhapur for providing necessary facilities and encouragement during research work.

My gratitude and sincere thank are to Dr. G. B. Kolekar, Dr. G. S. Gokavi, Dr. K. M. Garadkar, Dr. D. H. Dagade and all teaching staff of University of the Chemistry Department for scientific guidance, earnest suggestions and encouragement during this work.

I sincerely thanks to non-teaching staff of the Department of Chemistry, Shivaji University Kolhapur for their help and co-operation. My special thanks are due to my research colleagues and friends.

My gratitude and sincere thanks are to the Principal Shri S. M Shinde, Mr. A. S Hiremath, Mr. D. B. Bandgar, Mr. R. Yelpale, Mr. Davari, Shri Patil T. S and all teaching staff of Chh.Sambhaji Raje Sainik School, Jamage for their valuable suggestions and co-operations.

I am greatly indebted to my parents Shri Satappa B. Khot and Sou. Shekuntala S. Khot and brother Shri B. S. khot who are the real source of encouragement and strength and have brought great deal of happiness to my life. As parents, they provided me the encouragement not only for the period of this thesis but throughout my life.
Finally, I am very much thankful to all those who have assisted me directly and indirectly in the completion of this thesis.

Date: 
Place: Kolhapur

(Mr. Mahadev S. Khot)