## **ACKNOWLEDGEMENTS**

I have the honour to offer my deep sense of gratitude and sincere thanks to Dr.R.B.Mane, Prof. and Head, Department of Chemistry, Shivaji University, Kolhapur, for his inspiring guidance, stimulating discussions and constant encouragement throughout the present work.

I am thankful to Hon. Vice-Chancellor and Hon. Registrar, Shivaji University, Kolhapur, for making me available all possible facilities.

I am thankful to Dr.R.S.Mali, Department of Chemistry, Poona University, for the help in spectral analysis. I am deeply grateful to my parents, brothers for encouragement throughout my career.

I appreciate the neat and careful typing of this dissertation by Shri Kumbhar. Shri U.K.Baraskar for accurate and fine tracing.

Finally, I am very thankfur to all my friends and colleagues.

(Miss Jadhar S.D.) . -