

A C K N O W L E D G E M E N T S

I express a deep sense of gratitude to my supervising teacher, Prof. (Dr). N.N. Maldar, Head Department of Chemistry, Shivaji University Post-Graduate Centre, Solapur, for his valuable guidance, motivation, encouragement and constructive criticism during the entire course of my research work. I owe him for his fruitful discussions, suggestions and inspiring support, without which I would not have been able to complete this work. I am grateful to Dr. S.V. Lonikar and Dr. P.G. More for their valuable suggestions and constant support. I extend my gratitude to Dr. P.P. Wadgaonkar, Scientist NCL, Pune for providing me help on the Library facilities of NCL in the initial stages of my research work.

I am thankful to the Honorable Vice-Chancellor, Shivaji University, Kolhapur, for granting permission to carry out the research work at SUPGC, Solapur and for extending the necessary facilities. I also thank teaching faculty Smt. A.H. Padwal and Smt. M.V. Yadav for help rendered to me.

I also thank Dr(s) V.P. Ubale and P.H. Basutkar for the fruitful discussions and the help received in spectral interpretation. I express my thank to Prof. R.K. Sukhatankar and Dr. L.P. Deshmukh for the constant support and encouragement

I place on record my sincere thanks for the staff members of Library and Chemistry Laboratory for their co-operation and help.

I thank my friends Mr.V.N. Alli, P.S. Kulkarni, N.S. Gramopadhye, B.N. Muthal, R.K. Choudhari, P.D. More, V.B. Patil, S.M. Mali, R.S. Mente, Dr.(s) M.S. Gundatti, D.D.Kulkarni and M.A. Kamble who were in SUPGC, Solapur, for their friendship and all the help extended to me. I also thank all other research scholars of SUPGC for help and affection.

I remember with gratitude my parents, brother and sister for their affection, support and encouragement and for the patience. I extend my sincere thanks to Mr. M. M. Shaikh for the help received for setting up this dissertation in a short period of time.

Above all, I bow my head to almighty God for his blessings, which enabled me to complete this task.

Place :- Solapur

Date :- 18/05/2001



Anil A. Ghanwat