## ACKNOWLEDGEMENT

I have the honour to offer my deep sense of gratitude and heartiest thanks to Dr.A.R.Shelar, Reader in Chemistry, Shivaji University, Kolhapur for this inspiring guidance, stimulating discussion and constant encouragement throughout the present investigation. I consider it my great privilege to have worked under him and shall always look forward for any opportunity to associate myself with him in future.

I am sincerely grateful to the Head, Departement of Chemistry, Shivaji University, Kolhapur for making necessary facilities available. I also acknowledge the co-operation of respected teachers and laboratory staff of the Department with thanks.

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

I offer my deepest sense of gratitude to the management of Janata Shikshan Sanstha, Wai for granting study leave of one year. I am sincerely grateful to Dr.A.A.Kadam and Dr.C.J.Nalawade, Principal, Kisan Veer Mahavidyalaya, Wai, for their untiring help and encouragement. I am also thankful to U.G.C., New Delhi, for the award of Teacher fellowship.

My sincere thanks to Anupama S. Adure for her kind co-operation and helpful discussion. I am also grately indepted to Dr.M.B.Hogale (Deshmukh), Department of Chemistry, Shivaji University, Kolhapur for his immense help during the present investigation. My sincere thanks to Shri.U.K.Baraskar for accurate tracing of spectra and Schemes.

I shall be failing in my duty if I do not admit my sense of gratitude to my wife Sau.Surekha who inspired me and looked after everybody at home to let me devotedly pursue the knowledge of Chemistry.

PLACE : Kolkapur

DATE : 29 /6/96

(V. S. DHANAWADE)