ACKNOWLEDGMENT

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 his inspiring guidance, stimulating discussions 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, Department 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 S.R.D.S.P. Mandal, Sawantwadi for granting study leave (of)/one year. I express my heartiest thanks to Raje Saheb and Rani Saheb Rajwada, Sawantwadi, for their I am sincerely grateful to Lt.Cdr. constant encouragement. B.N. Principal, Shri Pancham Khemraj Katkar, his untiring help Mahavidyalaya, Sawantwadi, for and

for

encouragement. I am also thankful to U.G.C., New Delhi, for the award of Teacher Fellowship.

I express my sincere thank to Shri G.A. Buva, Librarian, S.P.K.College, Sawantwadi, who has been continuously encouraging me in every respect. I am grateful to Dr. V.V. Yadav, for his kind co-operation.

My sincere thanks to Anupama S. Adure for her kind co-operation and helpful discussion. I am also grately indepted Wadgaonkar, to Dr. P.P. National Chemical Laboratory, Poona and Dr. M.B. Hogale (Deshmukh), Department of Chemistry, Shivaji University, Kolhapur for their immense help during the present investigation.

I would also like to thank Shri Kalas S.R. and Mohite A.V. for their kind co-operation. My sincere thanks to Shri R.V. Mohite for neat typing, Shri U.K. Baraskar and Shri Rawan P.V.for accurate tracings and Navarang Mudranalaya, Kolhapur for nice printing and binding.

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

Lastly I am deeply grateful to my relatives and friends for their constant encouragement throughout my career.

(G. M. Shirodkar)