ACKNOWLEDGEMENT

It gives me an extraordinarily great pleasure to express my deep sense of gratitude and appreciation to Dr. R.B.Mane, Reader, Chemistry Department, Shivaji University, Kolhapur, for his valuable guidance, stimulating discussion and constant encouragement during the course of the present investigation.

I express my sincere thanks to Prof. M.H.Jagdale, Dean of the Science faculty and Head, Department of Chemistry, Shivaji University, Kolhapur, for constant encouragement and interest throughout this work.

I would like to thank and express my gratitude towards my friends Dr. D.G.Desai, Shri U.V.Desai, Miss N.S.Ambade and other non-teaching staff of this Department for their kind help whenever I requested for.

I am highly obliged to Prin. Shivajirao Bhosale and Shri V.N.Bhide, Head of the Department of Chemistry, Mudhoji College, Phaltan, for granting me the leave whenever I requested for.

Thanks are due to my colleagues in Mudhoji College,

Phaltan for their assistance during this work. I offer my

sincere thanks to Shri D.V.Badbade who helped me while completing

dissertation.

My special thanks are due to Shri P.T.Patil for his accurate, neat and urgent typing without which this piece of work would not have been completed in stipulated period of time.

I am deeply grateful to my parents for encouragement throughout my career.

(Bhanadas P. Kavitake)