ACKNOWLEDGEMENTS

I am very happy to express my heart-felt and profound sense of gratitude to Dr. T. Sreenivasulu Reddy, M.Sc., Ph.D., Lecturer in Chemistry, Sri Krishnadevaraya University, Anantapur for his invaluable guidance and for the immense encouragement he has given while the work was in progress.

I also express my gratitude to Dr. V. Suryanarayana Rao, Lecturer in Chemistry, SK University, Anantapur, presently in West Germany on post-doctoral fellowship, for his help and guidance prior to his departure abroad.

I acknowledge my indebtedness to the Professor and Head of the Department of Chemistry and to the authorities of Sri Krishnadevaraya University, Anantapur for providing necessary facilities for the research work.

I would like to express my thanks to Sri R. Ramachandra Murthy and Sri D. Mallikarjuna Rao, Research Scholars, SK University, Anantapur for their help at various stages of my work.

I am thankful to my research colleagues for their help and co-operation.

I am indebted to my parents and brothers for their affectionate encouragement to complete the work.

G. VENUGOPAL.