ACKNOWLEDGEMENTS

I welcome this opportunity to express my deep sense of gratitude to Dr. R.C. Rai, D.Phil., D.Sc., Reader in Chemistry, University of Saugar, Sagar for his inspiring guidance, keen interest and encouragement throughout the course of this work.

I am grateful to Dr. S.S. Nigam, Ph.D. (Saugar), Ph.D. (London), D.I.C., F.N.A.Sc., F.R.I.C., Professor and Head of the Department of Chemistry, University of Saugar, Sagar for encouragement and provision of laboratory facilities.

My heartfelt thanks are due to my fellow workers, whose co-operation, understanding and forbearance in sharing the facilities made the present work a pleasant experience. Grateful acknowledgement is made to all those workers whose work has been profitably consulted by me.

Education Department, Govt. of Madhya Pradesh deserves my gratefulness for the grant of study leave.

( DAYAL SINGH )