ACKNOWLEDGEMENT

The author feels immense pleasure to express his deep sense of gratitude and indebtedness to Dr. R.C. Rai, M.Sc., D.Phil., D.Sc., for his keen interest and valuable suggestions throughout the course of investigations, which enabled him to complete this work.

Thanks are due to Professor A.K. Bhattacharya, D.Sc., F.N.A.Sc., F.R.I.C.(London), Head, Department of Chemistry and Dean, Faculty of Science, for his unvarying kindness and encouraging provision of facilities.

The author will be failing in his duty without expressing his thanks to all his colleagues who have extended their help and cooperation in various ways throughout the course of investigations.

The author is equally thankful to Ministry of Education, Government of India for the award of research scholarship which facilitated the work.

Department of Chemistry, University of Saugar, Saugor (M.P.) INDIA.

JULY, 1967.

(SHIV SHANKAR RAI)