It is my proud privilege to express my profound gratefulness and indebtedness to Professor N. Rajmuhon Singh, Head, Department of Chemistry, Manipur University, Canchipur for his valuable advice and guidance for this study. Indeed, without his unstinted support, critical and constructive suggestions, I could not possibly have completed this piece of Ph.D. Work. I express immense gratitude to Prof. N. Rajmuhon Singh for all that he did for me.

I am also grateful to Dr T. K. Chakrabarty, Asstt. Professor, Department of Statistics, Manipur University, Canchipur for helping in computation of the experimental data.

I express my deep appreciation and indebtedness to Retired Professor S.N. Misra, Bhavnagar University and Dr (Mrs.) M. Indira Devi, Nagaland University for encouragement and help rendered during this work.

I am also obliged in different ways to the following friends and well-wishers – Th. David, N. Yaiphaba, Ch. Sumitra, O. Medha and K. Anita for their co-operation, affection and regard. My appreciation is extended to other friends who have assisted me in various capacities.

I am also thankful to the Chairman and the Principal of Trinity College for their cooperation in completing the work.

I owe a considerable special debt of gratitude to my husband Shri Sanasam Sumanta Singh for his patience, helpfulness, unfailing support and constant encouragement.

Lastly, I thank the Department of Chemistry, Manipur University, Canchipur, for providing research facilities.

Date: 22.12.05

(H. Debecca Devi)