ACKNOWLEDGEMENTS

With a deep sense of gratitude, I would like to offer my sincere and humble thanks to my supervisor, Prof. K. G. Bhattacharyya, for his constant guidance, supervision, persistent help and encouragement during the entire period of this study.

I am also very thankful to all my teachers of the Department of Chemistry, Gauhati University for their kind support and advices.

I would like to convey my thanks to all the non-teaching staff of the Department of Chemistry, Gauhati University for their helps in the laboratory.

Moreover, I would like to offer my thanks to Nibedita, Suranjana, Mayur, Nayan, Prabha, Sanjoy, Moutosi, Upama, Vandana, Bharati and other lab mates for their help and suggestions during the entire study period.

I would like to thank Dr. Seema Sarkar, Ajay, Biju, Dhan, Babi and Debanga for their kind help in various computer works during the study.

Lastly I would like to acknowledge my mother, Mrs. Dasami Deka, my father Late. Jogesh Chandra Deka, my elder brothers and sister in-laws for their moral support and goodwill.

Premada Kalita