PREFACE

The research work of my thesis entitled "**INVESTIGATION OF ASSORTED INTERACTIONS OF VITAL COMPOUNDS IN AQUEOUS IONIC LIQUID AND VITAMIN SOLUTIONS AND SOLVENT ARRANGEMENTS**" was started in December 2012 under the supervision of Dr. Mahendra Nath Roy, Prof. of Chemistry in the Department of Chemistry, University of North Bengal. This research work was recognized within the framework of the Programme: ''UGC-BSR Research Fellowship in Science for Meritorious Students, Ref. No. F4-1/2006(BSR)/7-133/2007(BSR)".

This work investigates the molecular interactions of ionic liquids, vitamin molecules and amino acids in aqueous and non-aqueous solutions by studying their physico-chemical, transport, acoustic and spectral properties.

During my research work, I have participated and presented my research work in several meets and seminars across the country. I was highly inspired by listening and interacting with renowned researchers, experts, reviewers and scientists. I was even fortunate enough to publish the works in the thesis in International and national Journals of repute.

In observance with general practice of reporting scientific observation, due acknowledgement has been made whenever the work described was based on the finding of other investigators. I must take the responsibility of any unintentional omissions and errors, which might have crept in spite of insurances.