

# PREFACE

The research work in the thesis entitled “**INCLUSION COMPLEXES AND SOLVATION CONSEQUENCES OF IONIC LIQUIDS AND BIOLOGICALLY ACTIVE MOLECULES IN LIQUID SYSTEMS**” was initiated in January 2013 under the supervision of **Dr. Mahendra Nath Roy, Prof. of Chemistry in the Department of Chemistry, University of North Bengal**. This research work was saturated by the support of the Scheme: “**UGC-RGNF Research Fellowship**”, **Ref. No. F.1-2012-13-SC-WES-17229** and “**University/State Fellowship**”, **Ref. No. 413/R-2013**.

This work is an effort to explore the molecular interactions as well as inclusion complexations of ionic liquids and some biologically active molecules in aqueous and non-aqueous liquid systems by studying their physicochemical such as transport, volumetric and spectral properties.

Throughout my research work, I was delighted to participate in various seminars/symposiums/conferences across the country. I was greatly encouraged by listening and interacting with renowned experts, reviewers and scientists. I was even fortunate enough to publish the research works in International and national Journals of repute, which are included in the thesis.

In execution with general practice of reporting scientific observation, due acknowledgement has been made whenever the work described was based on the finding of other researchers. I must take the responsibility of any unintentional oversight and errors, which might have sneaked in spite of precautions.

I am confident of surmounting challenges in my future life putting into action all the acquired knowledge and experiences all over my research period.