



# **PREFACE**

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*The endeavor in this thesis entitled “EXPLORATION OF MISCELLANEOUS INTERFACES OF SOME IONIC SOLIDS AND IONIC LIQUIDS PREVAILING IN VARIOUS SOLVENT SYSTEMS BY THE PROCESS OF PHYSICOCHEMICAL CONTRIVANCE” was ongoing in December 2012 under the supervision of Dr. M. N. Roy, Professor of Physical Chemistry, Department of Chemistry, University of North Bengal, Darjeeling. This research becomes conscious within the scaffold of the Programme in the field of “Ionic Liquids, Solution Thermodynamics & Host-Guest Inclusion Complex Formation”.*

*The work is an effort to investigate molecular as well as ionic level interfaces of IONIC LIQUIDS and IONIC SOLIDS in various aqueous/non-aqueous solution systems by studying their thermophysical, thermodynamic, transport, acoustic, surface, optical and spectroscopic properties.*

*I was extremely motivated by my listening, interrelating and cooperating with famous researchers, experts, reviewers and scientists during my research work course with the involvement in a number of meets and attaining/presenting in seminars/symposiums/conferences athwart the country. I was even enough auspicious to publish my original research works as article enclosed in the thesis in various reputed National and International Journals.*

*In custody with broad achieve of reporting scientific surveillance, owed acknowledgement has been made whenever the work described was based on the finding of other investigators. I must obtain the liability of any involuntary omissions and mistakes, which might have slinked notwithstanding defenses.*

*I anticipate that the knowledge that I have earned during my work specified more challenges in my future life so that can be devote to a better accomplishment.*

