

PREFACE

The work in the thesis entitled "INVESTIGATION OF DIVERSE INTERACTIONS AND INCLUSION COMPLEXATION IN DIFFERENT ENVIRONMENTS BY PHYSICO-CHEMICAL METHODOLOGY" was initiated under the supervision of Dr. Mahendra Nath Roy, Prof. of Chemistry in the Department of Chemistry, University of North Bengal. This research was realized within the framework of the Programme: "University Grants Commission for sanctioning Research Fellowship F117.1/201617/RGNF201517SCWES1846.

The work is an attempt to explore molecular interaction in aqueous and non-aqueous electrolytic and non-electrolytic solutions and host-guest inclusion complexations by studying their physico-chemical, transport, acoustic and spectral properties.

During the course of my research, I was privileged to participate in several meets and seminars across the country. I was highly inspired by listening and interacting with distinguished experts and scientists. I was even fortunate enough to publish the works in the thesis in International Journals of repute.

In keeping 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 oversights and errors, which might have crept in spite of precautions.

I hope that I will be given more challenges in my life so that the knowledge that I have earned during my work can be put into action in the future.