PREFACE

The research work described in this thesis entitled “STUDY TO EXPLORE THE FORMATION OF HOST-GUEST INCLUSION COMPLEXES OF CYCLODEXTRINS WITH BIOLOGICALLY ACTIVE MOLECULES AND CROWN ETHERS WITH IONIC LIQUIDS BY SPECTROSCOPIC AND PHYSICOCHEMICAL TECHNIQUES” was started in December 2013 under supervision of Prof. Mahendra Nath Roy in Department of Chemistry, University of North Bengal.

This research work involves thorough exploration of formation of host-guest inclusion complexes of various cyclodextrins and crown ethers with vitamins, neurotransmitters, amino acids, drugs, nucleosides and ionic liquids in aqueous, non-aqueous mediums and solid states by highly sophisticated calorimetric, spectroscopic techniques and various physicochemical methods.

In the journey of this research work I have presented my research in various symposiums and conferences across the country. I was highly nurtured and motivated by interacting with distinguished scientists and researchers, which helped me a lot in my research. I am also very happy to publish my research works described in this thesis in reputed international journals.

In writing this thesis all scientific observations of other researchers related to the concerned work have been duly acknowledged. I must admit the responsibility of any unintended exclusion and mistake, which might have crept in spite of insurances.

I expect further challenges in my life in order to exercise my earned knowledge for the development of the society.