

**ASSORTED INTERACTIONS OF SOME ANTIBACTERIAL  
AND ANTICANCER DRUG MOLECULES AND IONIC  
LIQUIDS PREVALING IN SUPRAMOLECULAR AND  
SOLUTION CHEMISTRY INVESTIGATED BY  
EXPERIMENTAL AND COMPUTATIONAL APPROACH**

*A thesis submitted to the*  
**UNIVERSITY OF NORTH BENGAL**

*For the award of*  
**DOCTOR OF PHILOSOPHY (Ph.D.)**

*In*  
**CHEMISTRY**

*By*  
**SMT. ANTARA SHARMA**

**M.Sc. in Chemistry**

Supervisor

**DR. MAHENDRA NATH ROY, FRSC (London)**

Professor, Department of Chemistry

University of North Bengal

Darjeeling-734013, WB, INDIA

June- 2023