CHAPTER 2

AIM & OBJECTIVE

2.1 AIM

To Assess the Protective Effect of *Smilax china* on Reproductive Organs, Liver and Kidney of Albino rats (Male), against Mercuric chloride (HgCl2) intoxication.

2.2 OBJECTIVE

i. To evaluate the protective effect of *Smilax china* on Body weight of male albino rats.

ii. To explore the Biochemical changes in albino rats after administration of Mercuric chloride and Mercuric chloride with *Smilax china*.

iii. To evaluate the wet weight of the organs (Testis, Secondary sexual organs, Liver & Kidney of male albino rats after sacrificing animals on 30\textsuperscript{th} and 45\textsuperscript{th} day.

iv. To determine the Histo-architecture of Testis, Liver & Kidney after sacrificing animals on 30\textsuperscript{th} and 45\textsuperscript{th} day.

v. To ascertain the Morphometric changes in spermatozoa after sacrificing animals on 30\textsuperscript{th} and 45\textsuperscript{th} day.