CHAPTER 8

CONCLUSION

Mercuric chloride is present in sea food like fish, prawns especially in crabs. This mercuric chloride affects the reproductive organs producing low spermatozoa count and also affects liver & kidney causing disruption of hepatocytes and tubular necrosis.

The plant *Smilax china* contains plant steroids and saponins which counter act with the toxicity of mercuric chloride on testis which increases the count of spermatozoa.

The flavonoids present in *Smilax china* which is an antioxidant and so it present in Nephroprotective and Hepatoprotective.

Hence to conclude *Smilax china* can be therapeutically used in Low dose Mercuric chloride intoxication.

Also it can be used as Nephroprotective and hepatoprotective agent.