AIMS AND OBJECTIVES

1. To investigate the sequential hormonal and cellular changes of selected organs like pancreas, liver, testis upon experimentally induced hypo- and hyperthyroid conditions in rat.

2. To understand the glucoregulatory mechanism in relation to thyroidal changes under experimentally induced hypo- and hyperthyroid condition in rat.

3. Study the polymorphism of thyroid peroxidase (TPO) gene and its correlation with the clinical manifestations of thyroid disease in human patients.
CHAPTERS

I. Study of glucose regulation by pancreas under experimentally induced hypo- and hyperthyroid conditions in Rat.

II. The effect of thyroid deregulation on rat liver.

III. The effect of thyroid deregulation on rat testis.

IV. Study the thyroid peroxidase (TPO) gene mutation and its correlation with the clinical manifestations of thyroid disease in human patients.