Objectives - Scope - Study plan
OBJECTIVES

To test the hypotheses stated previously, the research protocols were designed to study (in laboratory animals) the effect of-

I. (a) physiologically or drug-induced glycemic alterations on small intestinal transit in mice
   (b) drug-induced alterations of small intestinal transit on glycemic state

II. Alterations of serum insulin levels and small intestinal transit in above mentioned experimental manoeuvres

III. To delineate the inherent effect of insulin on small intestinal transit

SCOPE

I. To explore any relation between serum insulin levels and small intestinal transit in insulin treated animals

II. To ascertain involvement of endogenous insulin on the action of exogenous insulin on small intestinal transit

III. To determine whether there is any development of tolerance due to repeated administration of insulin on small intestinal transit

IV. To characterize the mechanism of insulin-induced effect on small intestinal transit

V. To find out the effect of centrally administered insulin on small intestinal transit

VI. To examine the \textit{in vitro} effect of insulin on longitudinal muscle of ileum