OBJECTIVES

To study the effects of preventive (early) and curative (late) treatments separately and in combination on brain frontal cortical region, hippocampal (CA3) region, pancreas and adrenal glands, in streptozotocin induced diabetic wistar rats showing diabetes with fasting blood glucose (FBG) level between 200-400 mg/100ml, as mentioned below.

The oral administrations of experimental drugs were carried out in these preventive and curative groups as follows. Henceforth the following abbreviations are used to denote these drugs in different experimental groups.

1. Treatment initiated soon after the confirmation of diabetes induction with 100mg/kg body weight alcoholic root extract of *Clitoriateranea* L. (CLT) for 30 days duration. This group is denoted as Preventive *Clitoriateranea* (PCLT)

2. Treatment initiated soon after the confirmation of diabetes induction with 100mg/kg body weight alcoholic root extract of *Salaciachinensis* W. (SLA) for 30 days duration. This group is denoted as Preventive *Salaciachinensis*W.(PSLA)

3. Treatment initiated soon after the confirmation of diabetes induction each with dose of 100mg/kg body weight combined alcoholic root extracts of *Clitoriateranea* L. (CLT) and *Salaciachinensis* W. (SLA) for 30 days duration. This group is denoted as Preventive *Clitoriateranea*+*Salaciachinensis*(P C+S)

4. The initial diabetic induction was confirmed and later diabetic state was reconfirmed after a gap of 30 days before commencing the curative treatment with 100mg/kg body weight alcoholic root extract of *Clitoriateranea* L. (CLT) for 30 days duration
5. Initially the diabetic induction was confirmed, and later diabetic state was reconfirmed after a gap of 30 days before commencing curative treatment with 100mg/kg body weight alcoholic root extract *Salaciachinensis* W. (SLA) for 30 days duration.

6. The initial diabetic induction was confirmed and the diabetic state was reconfirmed after a gap of 30 days before commencing combined curative treatment each with dose of 100mg/kg body weight alcoholic root extracts of *Clitoriaternatea* L.(CLT) and *Salaciachinensis* W.(SLA) for 30 days duration.