

RAJA BAHADUR VENKATARAMA REDDY WOMEN'S COLLEGE OF PHARMACY

(Approved by AICTE , PCI & Affiliated to Osmania University)

BARKATPURA, HYDERABAD – 500 027.

The following preclinical services available at our college

1. PAIN & INFLAMMATION MODELS

Thermal and Mechanical Pain Models
Acetic acid/Formalin Induced writhing in Mice
Carrageenan induced Paw edema

2. METABOLIC DISORDERS MODELS

Invitro studies

Alpha amylase inhibitory activity
Alpha glucosidase inhibitory activity

Invivo studies

Alloxan induced Diabetic model
STZ induced diabetic model
Obesity models

3. STRESS AND DEPRESSION MODELS

FST
TST
Shock induced

4. PHARMACOLOGICAL SCREENING OF CNS AGENTS

5. COGNITION MODELS

6. ANTIOXIDANT ACTIVITY

In vitro

DPPH scavenging assay
NO scavenging assay
H₂O₂ scavenging assay
Total phenol and flavonoid estimation

In vivo

Estimation of antioxidant enzymes in biological fluids

7. TOXICITY STUDIES

Acute
Sub acute
Chronic

