

VIJAYA COLLEGE OF PHARMACY
ONGOING RESEARCH PROJECTS

Department of Pharmaceutics

1. Novel controlled release drug delivery systems
2. Targeted gastroretentive drug delivery systems
3. Nanotechnology for drug delivery in cancer patients
4. Controlled release formulation of analgesic and antihypertensive drugs by using matrix systems
5. Optimization of bilayered floating tablets of antihypertensive drugs by using natural gums
6. Formulation and evaluation of fast dissolving tablets of antiemetic drugs
7. Design and evaluation of ethylcellulose sustained release matrix tablets

Department of Pharmaceutical Analysis

1. Development and validation of visible spectrophotometric method for the determination of antidepressant drug in tablet formulation
2. RP-HPLC method for the estimation of candesartan drug in bulk and its formulation
3. Development and validation of RP-HPLC method for the determination of doxazosin mesylate in tablet formulation
4. Development and validation of UV spectrophotometric method for the determination of anticancer drug in tablet formulation
5. Method development and validation of antiinflammatory drugs in pharmaceutical dosage forms in RP-HPLC

Department of Pharmacology

1. Acute toxicity studies and evaluation of antiulcer activity of polyherbal drugs in rat models by pylorus ligation method
2. Study of Pharmacodynamic drug interactions between antidiabetic drugs and antiepileptic drugs
3. Toxicity studies and antidiabetic evaluation of Siddha formulation in chemically induced diabetic rats

4. Evaluation of antiulcer, antipyretic and antiinflammatory activity of churnam preparation in rat models

Department of Pharmacognosy

1. Formulation and evaluation of herbal shampoos