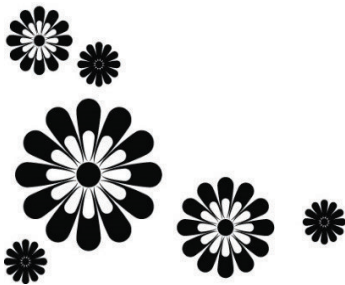


CHAPTER 4

**AIM, OBJECTIVES, PLAN OF
WORK**



AIM, OBJECTIVES AND PLAN OF WORK**4.1 AIM:**

“Development and Evaluation of Oral Polyherbal Formulation for Litholytic Activity in Ethylene Glycol-Induced Urolithiasis in Wistar Rats.”

The present study is carried out to evaluate the Litholytic activities of following herbal preparation against Polyherbal formulations in Wistar rats.

Polyherbal plant:

1. *Boerhavia diffusa*
2. *Plumeria Rubra*
3. *Celosia argentea*

4.2 THE PRESENT STUDY IS PLANNED WITH THE FOLLOWING OBJECTIVES:

1. Selection of the appropriate plants which possess litholytic, diuretic Potential.
2. Authentication of selected plants.
3. Evaluation of preliminary standardization parameter of selected crude drugs
4. Phytochemical estimation by TLC, HPTLC.
5. In vitro study of herbal formulation
6. In vivo study of herbal formulation
7. To design and formulate safe and efficacious herbal formulation.
8. Evaluation of herbal formulation.

4.3 PLAN OF WORK**4.1 Plan of work**

1. Conducting a thorough review of existing literature
2. Choosing a suitable plant species
3. Creating a comprehensive plant profile
4. Acquiring, gathering, and authenticating the chosen plant species
5. Extraction of crude drugs by soxhlation
6. Pharmacological and Phytochemical investigation of crude drug
7. In vitro study of Extract
8. In vivo study of Extract
9. Formulation development of polyherbal medicaments
10. Stability study of polyherbal formulation