2. AIM AND PLAN OF WORK

2.1 Hypothesis

Tabebuia rosea belongs to Bignoniaceae, Sophora interrupta, belongs to Papilionaceae, Solanum pubescens belongs to Solanaceae family are under evaluated species for the different pharmacological activity.

2.2. Aim

To investigate the Plant extract of Tabebuia rosea belongs to Bignoniaceae, Sophora interrupta, belongs to Papilionaceae, Solanum pubescens belongs to Solanaceae, for anticancer, antidiabetic, Hepatoprotective, Wound healing, anti-diarrheal, antiulcer, anti-inflammatory, analgesic and CNS activity.

2.3 Objectives

2.3.1 The plant material are Collected and extracted with different solvents.

2.3.2 The extracted compounds are investigated for its phytochemical screening.

2.3.3 The maximum yield extract was taken for the pharmacological screening

2.3.4 The data were carried for statistical analysis.
Evaluation of Phytochemical and Pharmacological activity of Methanolic extract of various Herbs

Aim and Plan of work

2.4. RESEARCH PLAN

2.4.1. PREPARATION OF EXTRACT

Selection of medicinal plants having different pharmacological property

Collection of plant material

Shade dried

Grinding of plant material to coarse form

Extraction of selected plant material powder by percolation method

Separation of solvent by distillation

Preparation of extract

Solubility
Evaluation of Phytochemical and Pharmacological activity of Methanolic extract of various Herbs

Aim and Plan of work

Solubility

Water suspension

Chemical test

2.4.2. Pharmacological screening

Pharmacological screening

Anticancer Anti diabetic

DAL induced model Alloxan induced model

Hepatoprotective activity

Paracetamol induced model
Carbon tetra chloride

Hematology, Biochemical and Histopathological

Wound healing Anti-diarrheal

Excision Castor oil induced model
Magnesium sulphate model

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Aim and Plan of work

Antiulcer

- Ethanol induced ulcer
- Aspirin induced model
- Cold stress induced model

Analgesic

- Tail immersion
- Tail flick

Anti-inflammatory

- Carrageenan

CNS

- Stair case
- Traction
- Rota rod
- Elevated plus maze
- Inclined plane
- Hole board test

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