CHAPTER: 4 PLAN OF WORK

A reverse pharmacological screening of Wrightia tinctoria leaf was attempted using varied standard protocols related to pharmacognostical, phytochemical, analytical, in-vitro, pre clinical, clinical evaluation and molecular docking study. The plan of work is detailed below:

- Standardization of the plant material
- Standardization of the plant extract
- In-vitro evaluation of anti microbial (bacterial and fungal) properties of plant extract against skin pathogens
- In-vitro evaluation of antioxidant properties of plant extract
- Developing herbal formulation for dermatological use
- Preclinical evaluation of herbal formulation for safety
- Preclinical evaluation of herbal formulation for wound healing
- Evaluation of clinical safety and efficacy of herbal formulation for psoriasis with positive control
- Conducting molecular docking study for proposing mechanism of action