2. AIM AND OBJECTIVES

The main aim of the research work was to apply the biopharmaceutical classification system to herbal medicine products with biopharmaceutics and formulation consideration for improving the dissolution and bioavailability by physical modification approach.

The major objectives of the present investigation are as follows:

- Determination of solubility and permeability for herbal extracts and phytocconstituents and to fit into biopharmaceutical classification system.
- Physical modification approach for enhancing solubility and permeability by preparation of poly herbal nano crystals and solid lipid nanoparticles.
- Formulation of poly herbal immediate release tablets and poly herbal nano crystal immediate release tablets.
- Development of dissolution method for the developed formulations.
- Development of bioanalytical method and to assess pharmacokinetic parameters of the developed formulations in rabbit plasma.