Chapter-5

Research Map
5.0 Research Map

- Selection of drugs
  - Identification of selected drugs
  - Extraction
  - Characterization of drugs
  - Analytical Method Development & Validation
    - Formulation of 29 batches of gels
    - Design of experiments: Selection of independent & dependent variables
    - Compatibility of Excipients
  - Selection of optimised formulation of basis of DOE and evaluated parameters
  - Assessment of gel parameters: pH, viscosity, spreadability, skin retention.
  - Standardization of drugs
    - Formulation Development
    - Selection of excipients
  - In-vivo animal studies for hair growth activity
    - CS7BL/6 Mice
    - Swiss Albino Mice
    - Resected skin-punch biopsies evaluation: 1. Histopathological data 2. DSC 3. FTIR

Fig 8: Research map for proposed study.