WORK PLAN AND METHODOLOGY

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   1. Review of Literature related to phytochemical profile and pharmacological profile
      For selected diospyros species
   2. Phytochemical evaluation
      - Authentication of plants by taxonomist
      - Collection of plant material
      - Identification of phytoconstituents by preliminary phytochemical investigation
      - Macroscopical evaluation.
      - Microscopical evaluation.
      - Analytical parameters.
      - Ash value
      - Extractive value.
      - Loss on Drying
      - Isolation of bioactive molecules
      - Identification of Phytoconstituents by spectroscopy
      - Characterization of isolated compounds
      - Quantitative estimation of active chemical constituents by HPTLC finger printing
   3. Evaluation of Toxicity Studies for extracts and isolated compounds.
   4. Cytotoxic evaluation
      Preliminary Cytotoxic Screening
      In vitro cytotoxic evaluation
      DMBA induced Skin carcinoma in