CHAPTER 2: RESEARCH OBJECTIVES

- The present study is designed to investigate the potential effect of *Curcuma zedoaria* root extracts and its formulations on arthritic rats.
- Preliminary phytochemical investigations of various extracts of *C. zedoaria* root
- Anti-arthritic activity by Freund’s Complete Adjuvant (FCA) induced method
- Acute anti-inflammatory activity by Carrageenan and Histamine induced method
- Separation of active phytoconstituents from potent extracts with chromatographic techniques
- Characterization of separated phytoconstituents by spectroscopy
- Development of single herb formulations from *C. zedoaria* potent extracts
- Evaluation of anti-inflammatory and anti-arthritic activity of single herb formulations
- Accelerated stability studies of herbal formulations