3.1 Research gap identified

Literature review has revealed lack of phytochemical investigation of the genus *Lepidagathis*. Search for bioactive compound with the proper scientific method has not been performed for lepidagathis plants from Western Ghats. Knowledge and use of *Lepidagathis* herbs are generally restricted to local tribes. Even though the plant is mentioned in the pashanbhed, no studies have been carried out for its antiurolithiatic activity. Hence an attempt has been made to study antiurolithiatic activity of lepidagathis genus plants.

3.2 Aim

Screening of the plants belonging to the genus *Lepidagathis* to establish antiurolithiatic activity

3.3 Objectives

In the study an attempt has been made to carry out;

1. Screening of the methanolic extract of the candidate plants *in vitro* for antiurolithiatic activity and pharmacognostical evaluation of selected medicinal plants as per WHO guidelines

2. Bioactivity guided fractionation of selected medicinal plants by column chromatography using *in vitro* antiurolithiatic methods followed by phytochemical investigation of most active fraction

3. *In vivo* and *in vitro* antiurolithiatic activity of most active fraction