5. AIM AND SCOPE OF THE PRESENT STUDY

AIM

The present study was aimed to evaluate an anti-diabetic Siddha kudineer formulation on its Pharmacognostical, Phytochemical and Pharmacological aspects for developing Pharmacopoeial monograph and to develop scientific basis for its traditional claims.

The present investigations also aimed to develop and evaluate a modern tablet and capsule formulations from traditional Siddha kudineer formula to improve the patient compliance.

SCOPE OF THE PRESENT STUDY

In the traditional medicinal practice number of anti-diabetic herbal drug(s) and their formulations are widely used by the physicians. Many of the formulations are not well established in their scientific parameters. One such formulation is Siddha kudineer formulation which are highly prescribed but not standardized by scientific methods.

- The selected Siddha kudineer formulation is an official Siddha formulation under D&C Act 1940, Rules 1945 which is currently prescribed for diabetic patients by the Siddha practitioners with very minimal evidence based report.

- The identification of each herb and their individual identity by means of Botanical, Pharmacognostical and Phytochemical parameters have not been well established giving difficulties for scientist and manufacturers to standardize the raw materials.
The anti-diabetic activity of this selected formulation is not scientifically proven by *in-vivo* and *in-vitro* pharmacological methods.

No scientific study against stability and packaging for the selected formulation has been carried out.

Since the kudineer formulation has to be taken after boiling and in concentrated form, this creates patient’s non compliance. No attempt was made to improvise the formulation.

All these lacunae’s have been planned to be rectified through this research.

So development of scientific evidence and modernization of this traditional formulation will pave a pathway to use this potential formulation globally.