HIGHLIGHTS OF THE THESIS

1. “Neerazhivu choornam” a Siddha poly herbel, solid antidiabetic dosage form has been documented for the first time from oral word of mouth to a written document.

2. All the raw materials of the formulation and finished product have been standardized scientifically.

3. Determination of pesticide residue, determination of heavy metal contamination and determination of microbial contamination in Neerazhivu choornam has been carried out for the first time.

4. Phytoanalytical standardization of Neerazhivu choornam has been carried out for the first time using HPTLC.

5. The traditional Siddha formulation Neerazhivu choornam has been modernized and formulated into a tablet formulation and capsule formulation for the first time.

6. Anti hyperglycaemic and antidiabetic activity of the Neerazhivu choornam has been scientifically proved for the first time.