Chapter-11

SUMMARY
11. Summary

The dissertation entitled “A Comparative Pharmacognostic and Physico-chemical Study of Four Classical Types of Sahachara (Roots of Barleria sp.) With Special Reference to Acute Anti-inflamatory Activity in Albino Rats” had been undertaken with a view to find out potent anti-inflammatory variety amongst four classical type of Sahachara along with their literary, pharmacognostic and physico-chemical study.

Section I consists of 3 chapters- Introduction, aims and objectives and previous work done. Chapter 1 Introduction, focus on the importance of traditional system of medicines and need of Sahachara type exploration along with their detailed study. Selection of appropriate type of Sahachara for Shothahara action amongst four types was the need for the study. Chapter 2 deals with Abbreviations used in thesis. Chapter 3 is the aim and objectives of the study. Previous work done has been mentioned in chapter 4.

Section II chapter 5 is a review of literature which deals with the Drug review. It discloses information about the drug Sahachara regarding historical review, synonyms, classification, properties, uses. Pharmacognostic review deals with the detailed morphological characters of Sahachara types along with family description, Experimental review, which highlights on Analgesic activity that includes brief introduction to Vedana and pain, along with detail analysis of Analgesic activity. Evaluation of Anti-inflammatory activity includes brief introduction to Shotha and Inflammation. Drug preparation review has been given at the end of this chapter.

Section III with Chapter 6 Materials and Methodology divided into two parts. First is of Material part it includes Pharmacognostic and Experimental material methodology. Second part deals with the Pharmacognostic study, Physico-chemical study and Animal experiment methodology.

Section IV Results and Observation is given in Chapters 7. Pharmacognostic observation which includes region wise images of Sahachara type flower, Herbarium, Root and T.S. of root respectively. Experimentation observation and results includes animal experiment result observations also deals with HPLC analysis of results has been given at the end of this
Chapter 8 dealing statistical analysis was done by applying appropriate statistical tests and significance noted.

Section V with 9th chapter on Discussion, 10th on Conclusion and 11th on Summary are grouped together. Discussion on drug review deals with synonyms, Rasa Panchaka, uses, utility of root and consideration of potent anti-inflammatory Sahachara type. Discussion is also done on Pharmacognotistical, Preliminary Phyto-chemical and Experimental study on four types. Probable mode of action of Sahachara according to modern pharmacology and Ayurveda. Further scope for the research has also been mentioned in discussion. Chapter 10th Conclusion, where inference is drawn on the observations made during study. Chapter 11th is Summary, giving gist of the dissertation work.

Section VI comprises of Bibliography, Annexure and Appendices containing thesis related reports as Chapter 12th, 13th and 14th respectively. Roots of all the four classical types can be used for attaining Anti-inflammatory and Analgesic effect, there by conserving these species.