CHAPTER 8 SUMMARY

Chapter 1: Introduction

Represented the detailed introduction about transdermal patch, NSAID's and *Simmondisia chinesis family of Simmondsiaceae and the B. Lanzan family of Anacardiaceae*

Chapter 2: Need for study

Explained about necessity of study

Chapter 3: Aim and Objectives

The aim of the study is to make transdermal formulations of a few anti-inflammatory agents like extracts of seeds of *B.lanzan* family Anacardiaceae and extracts of seeds of *Simmondisia chinesis* family Simmondsiaceae.

Objectives:

A vast summary of literature survey gives some views, which hypothesized as follows,

- To Collect and identify, authenticate of plants materials and seeds.
- To study Morphology and microscopy of plant material.
- To study Isolation methodology
- To perform Qualitative analysis for isolated oil
- To study Toxicity of isolated penetration enhancers.
- To perform preformulation study of isolated components (oil)
- To prepare formulation using isolated oil.
- To evaluate formulated product (Medicated gel)
- To perform comparative drug release studies *(in vivo and ex vivo)*
- To establish of Pharmacokinetics in rat
- To establish of release kinetics.
- Accelerated stability studies

Chapter 4: Review of literature

Seeds of *B.lanzan* family Anacardiaceae and extracts of seeds of *Simmondisia chinesis are* a miracle herb widely used by Indian tribes for treating various diseases. Literature review

reference for the pharmacological properties, pharmacognostic studies and phytochemical investigation of these two seeds extracts.

Chapter 5: Materials and methods

The Phytochemical investigation of a plant involves authentication and extraction of plant material; qualitative and quantitative evaluations; separation and Parallel to this may be the assessment of pharmacological activity.

Chapter 6: Results and discussion

The study comprises standardizing seed extracts from the *Simmondisia chinesis family of Simmondsiaceae and the B. Lanzan family of Anacardiaceae* using a variety of characteristics, such as ash value, extractive value, and loss on drying, preliminary phytochemical screening, and fluorescence analysis. After standardization, the chemical components and % yield were extracted for additional screening. Following drug characterization, pre-formulation experiments were conducted to determine the drug's organoleptic properties.

Chapter 7: Conclusion

Chapter 8: Summary

Chapter 9: Biblography