Chapter -VI

Summary

Enthusiasm leads to success. Enthusiasm is happiness. Enthusiasm is always the driving force to all actions.

-Ramayana.
SUMMARY

The frame of the thesis work entitled “Study of the Antidiabetic effect of whole plant of Kakamachi (Solanum nigrum Linn.)” is summarized as follows:

➢ The study of antidiabetic effect of Kakamachi was carried out in Tilak Ayurveda Mahavidyalaya, Pune and Dr. B. R. K. R. Govt Ayurveda College, Hyderabad.
➢ Review on previous work was done on Kakamachi, Prameha and Diabetes Mellitus was taken from various sources like classical text, Published papers, Journals and Information centers.
➢ The sample drug was collected from peripheral part of Hyderabad and was standardized at Indian Institute of Chemical Technology and Drug Standardization Unit, Hyderabad.
➢ The raw material and finished products were standardized according to API and WHO guidelines.
➢ The other standard monograms were prepared for Kakamachi using latest technology.
➢ Safety of the drug was ensured by acute and subacute toxicity study in Swiss Albino rats.
➢ The ethical guidelines were followed under Institutional Ethical committee of TAMV, Pune and IICT, Hyderabad.
➢ A controlled, randomized parallel single blind clinical trial was conducted to assess antidiabetic action in 109 cases of confirmed Diabetes Mellitus Type II.
➢ The Grading Analog Scale was prepared to assess the Prameha ghna action as subjective parameters.
➢ To assess the diabetic condition the efficacy parameters like BSL were used. For human safety parameters Renal Function test and Liver function test was used.
➢ Statistical analysis was done by applying Student t Test and ANOVA with the help of MINITAB software.
➢ The overall study suggests Kakamachi was helpful in early diagnosed, non complicated and less severe Diabetes Mellitus, where as Sulphonylurea group in chronic as well as complicated cases of Diabetes mellitus. The combination group gives action in both BSL as well as symptoms of Prameha.