

## Mahua Flower in Colon Cancer

## CHAPTER 31

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### ABSTRACT

*Madhuca latifolia or Madhuca indica commonly called Mahua, these kind of tree found in day to day activity of tribal people. Mahua is a traditional medicinal plant used in the treatment of various diseases includes cancer in Indian system of medicine. Even the chemical composition and the bioactive principles and the mahua leaf have great impact to extraction of the phytochemical compounds. Mahua which is the one of the most important trees providing several medicinal and nonmedicinal products, these are useful for health. The medicinal properties like antimicrobial, wound healing, skin protectivity, bone joining useful to us. In the present study we have to extract the different solvents and also applied to optimize the extraction of phytochemicals from mahua flower. Effect of different solvent concentrations, extraction time and extraction temperature also measured. For external diseases like rheumatism, headache, chronic constipation, piles, haemorrhoids it is useful. Mahua flower not only use for the preparation of liquor also utilized as a food ingredient for preparation of biscuit, cake, candy, bar, jam, jelly, sauces etc. Mahua oil also used in manufacture of laundry soaps and detergent. Mahua also contains saponins, triterpenoids, saponins, flavonoids and glycosides. The tribes consider the mahua tree and the mahua drink as part of their cultural heritage. So it is very much necessary to create awareness among the people to conserve the forest. – Improvement in storage facilities and processing of flowers after harvesting and drying will lead to enhanced availability of flowers for industrial purposes for food, feed and fodder. More value added products can be prepared by the preparation of flower juice concentrate, as well as efforts are made to produce powder from the flower. Mahua flowers due to improper collection and handling practices, and the storage conditions is the major limitation of Mahua flowers to be used as a potential industrial ingredient.*

**KEYWORDS** Ethnomedicine, Phytochemistry, Postharvest spoilage, Value addition, Processing flavonoids, mahua, skin diseases, sapotaceae tree, vegetable

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### INTRODUCTION

Some of the food plants are believed to be an important source of nutrition as well as chemical substances having potential of therapeutic effects. These plants are effective source of both