

Useful products from dried leaves of Mango tree

Abstract

Mangiferin, an important pharmaceutical molecule is reported to be present in high quantities in various parts of the Mango tree.

Presently Mangiferin is mainly imported and 99% pure Mangiferin is priced around Rs. 20000-30000/ Kg in the market. A process for utilization of waste leaves for mangiferin extraction using green solvents has been established.

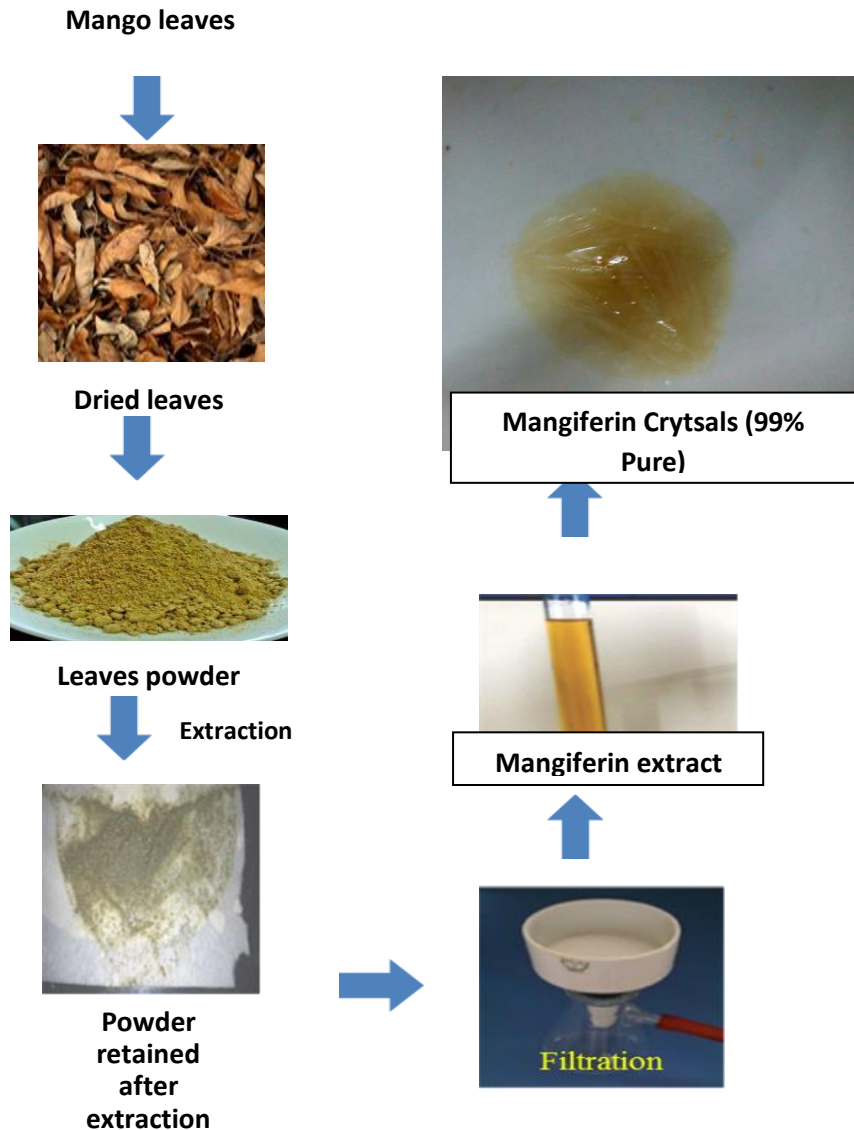
Salient features of the technology

- Continous process to achieve maximum extraction of mangiferin
- Concentration and purification process of mangiferin from waste leaves extract.
- Anti diabetic and anti bacterial activity of mangiferin extract established
Laboratory Studies show that mangiferin can be highly efficacious in the treatment of diabetes.

Equipment

Screen Conveyer , Nano filtration Membrane

Process Diagram



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