

Joint Meeting on
2nd WORLD CONGRESS ON TRADITIONAL & COMPLEMENTARY MEDICINE
&
2nd INTERNATIONAL CONFERENCE ON HERBAL & TRADITIONAL MEDICINE
June 20-21, 2019 Dubai, UAE

Some studies on preparation and evaluation of microspheres containing homeopathic mother tincture of *Nux-vomica*

Milind Pande

Teerthankar Mahaveer University, India

The mother tincture of *Strychnos nuxvomica* Linn. Family Loganiaceae have been used in homeopathic medicinal system since ancient times for the treatment of male stomach disorders. The present study is aimed to investigate the effect of alcoholic mother tincture of *Nux-vomica* on peptic ulcer patients with converting the tincture in microspheres. The seeds of *Nux-vomica* were purchased from local market and identified through university taxonomist for authentication purpose. After drying at 40-50 °C converted into coarse material were subjected to maceration with ethanol 95% for three days at room temperature. After recovery of ethanol 90% all mother tincture allowed to dry completely in powder form used for preparation of microspheres with polymer ethyl cellulose: Test drug ratio (1:1. 500 mg) in 10 ml of acetone. In separate beaker 0.2% solution of sodium lauryl sulphate (600 mg in 300 ml of distill water). The test drug solution with polymer in surfactant solution was added drop by drop with constant stirring (speed 1000 to 1200 rpm). Then suspension was allowed to cool at room temperature, filtered and obtained microspheres dried in vacuum desiccator in overnight with stored in 4 °C in dark. Further the evolutions of microspheres were done by physico-chemical methods such as % yield, particle size analysis, bulk density, angle of repose and particle shape analysis. The results indicated that the ethanolic mother tincture of *Strychnos nuxvomica* Linn. Family Loganiaceae produced a significant and sustained quality of microspheres which can be used to enhance bioavailability and fast release to small and large intestine inner cell lining and will help in treatment of peptic ulcer, stomach ache and constipation in chronic cases. As homeopathic formulation have only oral route of administration this microspheres can be formulated in various formulations like capsules, tablets or injections as per need of patient for fastest effect with suitable human trials.

Biography

Milind Pande is a Specialist in Pharmacognosy. He has completed his Ph. D in Pharmacy, Dept. of Pharmacy, Barkatullah University, Bhopal, India with the thesis: "PHYTOCHEMICAL INVESTIGATIONS AND EVALUATION FOR APHRODISIAC ACTIVITY OF SOME HERBAL DRUGS". He is currently the Professor & HOD, Department of Pharmacognosy in Teerthankar Mahaveer University, India. He is the Life member of Indian society of Pharmacognosy (IJNP) ISP/LM-GJP-047.

milind.pande27@gmail.com