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Review Article

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APPLICATION OF ZETROPHA

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ABSTRACT

This review emphasizes the potentials of the ethno botanical research and traditionally using the medicinal plant utilization for the greater benefit of mankind[12]. The impact of "the Jatropha Species" on the research of treatment for rheumatism, skin diseases, and other ailments because of its physico-chemical properties of the seed like was determined by GC-MS. Caprylic, [11]myristic, palmitoleic, patmitic, oleic, stearic, linoleic, vernolic, arachidic, behenic lignoceric, acid were found. About 1/2 hour following ingestion of seed it cause Diarrhea and nausea but merely it produce disinfectant and antifungal effect.

KEYWORDS Purgative, Depression

INTRODUCTION

Plants are the basis of life on earth and are central to people's livelihoods. India is well known for significant geographical diversity which has favored the formation of different habitats and vegetation types. Indian subcontinent is being inhabited by over 53.8 million tribal people, representing one of the greatest emporia of ethno-botanical[1].Traditional healing systems play an important role in maintaining the physical and psychological wellbeing of the vast majority of tribal people in India[2]. Today continued deforestation and environmental degradation in many parts of India brought about depletion of medicinal plants and associated. **Jatropha curcas** Linn. (Tropical physic nut) belonging to family Euphorbiaceous is a native species of tropical America, cultivated throughout the tropics and is sub-spontaneous in Mauritius and Seychelles.

Phytochemical properties

The physico-chemical properties of the seed of **Jatropha gossipifolia** were assessed by standard methods. [12]The seed contains 35.8% crude oil of iodine value 107.25, 13.40% protein, 9.25% fibre, 30.32% carbohydrate and 6.0g/kg saponins. The fatty acid composition of the seed oil containe Caprylic, myristic, palmitoleic, patmitic, oleic, stearic, linoleic, vernolic, arachidic, behenic and lignoceric acids were found.

Extraction

A key determinant of the economics Jatropha as a source of bio diesel fuel is the efficiency with which oil is extracted from the seed. It also determines the economics of soap production[3]. The hand operated ram press used by many small-scale producers to extract oil yields only 20 to 30% (assuming what is meant is that the oil content of seeds ranges from 35-40%., and of that amount, only 1/2 to 3/4ths of the potential oil is extracted. [7]The Jatropha seeds are prevalent as a treatment of cold Sweats, colic, cramps, constipation etc in villages[1].

Toxicity

The poisoning is an irritant, with acute abdominal pain and nausea about 1/2 hour following ingestion. Diarrhea and nausea continue but are not usually serious. Depression and collapse may occur, especially in children. Two seeds are strong purgative[3]. Four to five seed are said to have caused death, but the roasted seed is said to be nearly innocuous. (It is unclear if this citation refers to the toxic variety or variety reportedly found in Central America and Mexico; Ed.)Bark, fruit, leaf, root, and wood are all reported to contain HCN Seeds contain the dangerous to xalbumin curcin, rendering them potentially fatally toxic.A[6] non-toxic variety of Jatropha is reported to exist in Mexico and Central America. [11]Jatropha seeds are edible once the embryo has been removed never the less on principal, consumption of seeds should be avoided.

Traditional human and animal medicine

Jatropha has been documented as a traditional medicinal plant in many countries, and the effectiveness of the resulting remedies has been, in part, scientifically demonstrated. [5]The purgative effect of the seed is the most important. [10]In addition, seeds, leaves, and curcas oil are used as wound disinfectant and as a treatment for rheumatism, skin diseases, and other ailments. [8]The methanol extracts with toxic effects protect useful plants

from various pests. The Jatropha seeds are touted as a treatment of cold Sweats, colic, cramps, constipation etc in villages.

RESULT AND DISCUSSION

On the basis of existing knowledge and experience, the utilization of the physic nut under Present framework conditions in the particular environment of a pesticides and profitable for all human beings. However, it is not easy to handle A too strong concentration is in turn harmful to useful plants

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