



Pharmacological study of bark & leaves of syzygium cumini used in rustic zones of Pakistan.

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Background.

Herbal plants contain variety of chemical substances that act upon the body. syzygium cumini has medicinal value. Syzygium cumini has peptic stuffs & also have pharmacological gears. In developing and developed countries the demand of herbal medicine has been increased. Phytochemicals and minerals components are essential for occurring of all reactions proficiently in the body of humans. The leaf of jaman is used in, constipation, leucorrhea, and diabetes, its fruit is used in the cure of pharyngitis however bark is used as astringents, anthelmintic, and carminative etc

Objectives

to prepare herbal medicine which is low cost application of extract of bark & leaves in preparation of useful medicinal products.
Identification of mineral components present in plant of syzygium cumini.
Identification of pharmacological gears present in syzygium cumini.
Extraction of active ingredients present in syzygium cumini.

Collection of plant material:

Bark and leaves of jaman were washed at ambient temperature with cold water & distilled water. Fresh leaves and bark were dried by keeping them in shade for 10 days. The color of bark & leaves changed on drying. Dried bark & leaf were crushed to make fine powdered.

Extraction of essentials:

75g of powdered bark and 75g powdered leaf was dipped in 500 ml of water and in 500 ml methyl alcohol, 500 ml ethyl alcohol separately for about one week at ambient temperature & pressure. The temperature fluctuations were noted in the range of 20-30 C during one week of dipping period. One week was supposed to be sufficient time for both polar & non polar ingredients to be extracted in the respective solvents. Extract was filtered twice with fine mesh size filter paper. Extract was concentrated in rotary evaporator (heidolph laborota 4000 at 35C). the filtrate was saved in glass made air tight bottle & tagged and later were used for Phyto chemical study & anti-microbial activity.

reactions & was used in preparation of mouth wash , tooth paste, cream, syrup.

Results / discussion

Bark & leaves of syzygium cumini were found to be effective against gum ache, sore throat, boils in mouth , gum bleeding, in cure of dry patchy ,oozy , cracked swollen skin, in controlling blood sugar.

Conclusion

Bark & leaves of syzygium cumini were found to be effective in controlling different health issues in humans. The herbal medicine produced from extract of bark & leaves are effective having no side effect on human health.

References

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