



Phytochemical Profiling Of Crude Extracts of Some Medicinal Plants Found In Gangapur Region, District Aurangabad, Maharashtra

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ABSTRACT

The objective of the present study was to find out the presence of phytochemicals in the crude extracts of four traditional medicinal plants such as *Adathoda vasika*, *Anacyclus pyrethrum*, *Butea monosperma* and *Pongamia pinnata* by qualitative screening methods. In qualitative analysis, the phytochemical compounds such as flavonoids, carbohydrates, proteins, phenols, saponins, tannins, terpenoids, quinones, alkaloids and glycosides were screened in the crude extract of six medicinal plants by using standard methods. When compared with other plants ethyl acetate extract more active compounds will be isolated from the selected medicinal plants. Phytochemicals play an important role when used in cosmetic preparations as antimicrobial agents as well as antioxidants. Herbal based cosmetics have gained popularity due to technological advances in manufacturing processes. The application of investigated plant species in various cosmetics was based on their phytochemical content and their pharmacological activities.

KEYWORD:- Phytochemical, Medicinal Plant, Secondary Metabolites etc.

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I. INTRODUCTION

Phytochemicals are bioactive chemicals of plant origin. They are regarded as secondary metabolites because the plants that manufacture them may have little need for them. They are naturally synthesized in all parts of the plant body; bark, leaves, stem, root, flower, fruits, seeds, etc. i.e. any part of the plant body may contain active components (Maruthupandian A. et.al 2011). Medicinal plant products are considered to be the most important components of diet for a good health. A plant as the source of medicine plays an important role in the health services around the globe (Thomson G E et.al 2010). The plants are consumed by both animals and human beings as food. This mineral becomes part of the food chain. The plants absorb much of the essential elements from the soil in which they grow and serve as indicators of the materialization and are in fact used for this purpose (Navneet P 2008).

The value of medicinal plants depends upon the use of plants as raw materials in the pharmaceutical industry. People living in rural areas from their personal experience know that these traditional remedies are a valuable source of natural products to maintain human health, but they may not understand the science behind these medicines, but knew that some medicinal plants are highly effective only when used at therapeutic doses. Several medicinal compounds have been successfully isolated from plants and presently being use for the treatment and management of different diseases.

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