

Pharmacognostic Study of Mushroom and Their Therapeutic Potential

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Abstract: Medicinal mushrooms are higher fungi that have extra nutraceutical qualities, such as high fiber content, triterpenes, phenolic compounds, sterols, eritadenine, chitosan, and a trans-isomer of unsaturated fatty acids. They are regarded as the best supplier of nutritious foods and medications. They are classified as functional foods because of their exceptional nutritional content, appealing flavor, and aroma. This indicates that they are good for the body's overall health in addition to its nutritional needs. Numerous bioactive substances known as secondary metabolites are present in medicinal mushrooms and their extract. The presence of polysaccharide β -glucans or polysaccharide-protein complexes in mushroom extract has various therapeutic uses in human health because of its many qualities, including anti-aging, anti-diabetic, anti-cancerous, and anti-obesity. The thorough description of the therapeutic qualities of different medicinal mushrooms is the main subject of this review. Researchers will be better able to comprehend the metabolites and identify other compounds from the mushrooms that may be utilized in the possible creation of medications to treat a variety of serious illnesses.

Keywords: Medicinal mushrooms, Bioactive compounds, Polysaccharides, Pharmacological activity