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Phytochemical analysis and In-vitro Biochemical Characterization of aqueous and methanolic extract of Triphala, a conventional herbal remedy

Running title: Phytochemical screening and phytomedicinal relevance of Triphala

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Highlights

- Phytochemicals detection from the aqueous and methanolic extract of herbal remedy triphala and its constituting plants
- Antioxidant potential of triphala and its constituting plants
- Triphala and its constituting plants as potential antibacterial agents

ABSTRACT

Triphala, an Indian ayurvedic triherbal formulation, is an equiproportional mixture of fruits of three herbs, *amalaki* (*Embellica officinalis*), *haritaki* (*Terminalia chebula*) and *bibhitaki* (*Terminalia bellerica*). The present study focused on phytochemicals detection and comparative analysis of various biochemical activities in the aqueous and methanolic extracts of triphala and its constituting herbs. Antioxidant activity was determined by 1, 1-diphenyl-2-picrylhydrazyl (DPPH), ferric reducing antioxidant power (FRAP), super oxide dismutase (SOD), catalase assay.

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