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Review article

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Phytochemical and pharmacological aspect of *Amaranthus Tricolor* linn Review

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ABSTRACT

Mother Nature has bestowed us with a wide range of flora and fauna which are being used in various systems of medicine to treat various deadly diseases with their own mechanism or the components responsible for healing. *Amaranthus tricolor* (Family-Amaranthaceae) purple red colour leafy vegetable consumed as nutraceutical herb. It has wide distribution in India and it is a promising crop with high nutraceutical value of whole plants rich in proteins and micronutrients such as iron, calcium, zinc, vitamin C and vitamin *Amaranthus tricolor* is known as laalsaag or tandaljobhaji in various part of india. The plant traditionally used as alexiteric , laxative and used in the treatment of piles and blood disorders , stomachic appetizer, toothache antipyretic, dysentery, astringent, diuretic, Haemorrhagic colitis and Hepato-protective agent. Carbohydrates, protiens, Aminoacids, steroids, cardiac glycosides, alkaloids, tannins, and Flavonoids phytochemicals was found in *Amaranthus tricolor L.* The Presence of tannins and flavanoids exhibited various biological activities such as antibacterial, antifungal, antioxidant, anthelmintic and Other pharmacological activities such as antinociceptive, anti-inflammatory, Antihyperglycemic, Antiproliferative, Cyclooxygenase Enzyme Inhibitory, Gastric antisecretory, cytoprotective,Hypolipidemic and Antiviral/ribosome inactivating protein.

Keywords: Amaranthustricolor l, Amaranthaceae, laalshaak, Hepatoprotective, Gastric Antisecretory, Cytoprotective, Hypolipidemic, Cyclooxygenase Enzyme Inhibitory, Flavonoids, tannins, antibacterial, antifungal, antioxidant