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A systematic review on potential pharmacological applications of *Parkinsonia aculeata.*

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Abstract

Plants with therapeutic importance are widely used by humans to acquire healthy lifestyle. Parkinsonia aculeate (PA) belonging to family fabaceae is one such shrub mostly widespread various countries of world. P. aculeata is a shrubby tree, growing to a height of 4–10 m. This species has been introduced and become naturalized in Asia, Africa and Europen while it is native of north, south and Central America. Currently P. aculeata can now be found in most tropical, sub-tropical and Mediterranean countries. In this article pharmacological potential of *Parkinsonia aculeata* is briefly covered. Phytochemical evaluation of the leaves, flowers and steam of *Parkinsonia aculeata* has revealed the presence of glycosides, flavonoids, alkaloids and saponins. Tradiationally it is a well known medicinal shrub for its beneficial effects as antipyretic, antimaterial, diaphoretic and abortifacient. These actions are attributed to either regulation of various molecular pathway linked with various disorders or antioxidant property.

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Keywords

Parkinsonia aculeate, Fabaceae, Anticancer, Antipyretic, Antimalarial.

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