

***In vitro* evaluation of the antioxidant activities in the root of *Bauhinia vahlii* Wight & Arn.**

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Antioxidant potential and total phenolic content of ethanolic extracts of the root of *Bauhinia vahlii* were evaluated. The extract of root contained higher levels of total phenolics and tannins. Extracts were screened for non enzymatic antioxidant activity using various *in vitro* antioxidant assays. The methods used were 1,1-diphenyl-2-picrylhydrazyl (DPPH) and reducing power assay. Various concentrations of extract were prepared and readings were taken in triplicates. Results obtained were compared with ascorbic acid which was taken as a standard. Significant free radical scavenging activity was observed in plant extract. This study has to some extent validated the antioxidant potential of the root of *B. vahlii*. This plant needs further study to evaluate more of its beneficial effects for medicinal use.

Biography

Rajani Chauhan has completed her Ph.D. in 2010. She has more than seven years research and teaching experience. She has more than 25 papers in reputed journals and participated in many national and international conferences.