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## Phytochemicals screening and free radical scavenging potential of leaf and flower extract of *Calotropis procera*

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The aim of the present study was to evaluate the phytochemical constituents and to assess in vitro lipid peroxidation inhibitions and antioxidant activities of different fractions of dried leaves and flowers of *Calotropis procera*. Qualitative analysis of phytochemicals constituent like steroids, saponin, flavonoid, tannin, coumarin, terpenoids and cardiac glycosides was performed by the well-known tests protocol available in the literature. Anti-oxidative efficacy was studied through DPPH, reducing power assay and lipid peroxidation inhibition assay in liver homogenate. The phytochemicals screening revealed the extract richness in tannins, flavonoid, steroids, coumarin and terpenoids. Strong antioxidant scavenging activities were observed in different fractions of leaf and flower extract. Leaf and flower extract of *Calotropis procera* showed lipid peroxidation inhibition against thiobarbituric acid. From the results of the present investigation, it could be concluded that *Calotropis procera* extracts can be explored as a potential source for isolation of natural antioxidant.

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