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Phytochemical screening and DPPH radical scavenging activity of the leaf and seed extracts of *Wrightia tinctoria* (roxb.) r.br. from South India

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The DPPH (1,1-diphenyl-2-picrylhydrazyl) radical scavenging activity of petroleum ether, chloroform, ethyl acetate and methanolic extracts of the leaf and seed of *Wrightia tinctoria* (Roxb.) R.Br. were investigated. Among the leaf and seed extracts of *Wrightia tinctoria* studied, methanolic extracts showed potent scavenging activity on 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical and its activity is quite comparable with the standard antioxidant L-ascorbic acid. The remarkable antioxidant activity exhibited by the methanolic extracts of the leaf and seed of *Wrightia tinctoria* can be attributed to the synergic effect of the active components present in it. Phytochemical screening revealed the presence of phenolic compounds in methanolic extracts of the leaf and seed can be considered as good source of natural antioxidants and can be incorporated into the drug formulations.

Keywords: Wrightia tinctoria (Roxb.) R.Br. DPPH radical scavenging activity, Drug formulations, Phytochemical screening.

Biography

Jesy E. J completed PG in 2011 and qualified UGC NET. Currently, she is doing research and working as UGC major research project research fellow at Vimala College, Kerala, India.