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In vitro evaluation of antioxidant and anthelmintic activity of different extracts of *Mimusops elengi* Linn

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The objective of the present study is to evaluate *in vitro* antioxidant and *in vitro* anthelmintic activity of different extracts of *Mimusops elengi*. The *Mimusops elengi* is perennial Ayurvedic plant, is widely distributed in India. The leaves of *Mimusops elengi* were collected from Dhule district and authenticated. The dried material was broken into a coarse powder in an electric grinder and subjected to extraction. The extraction of bark was carried out by successive extraction method with petroleum ether, chloroform and then with methanol. Similarly, aqueous extract were also prepared. Antioxidant activity of these extracts was determined *in vitro* by DPPH and nitric oxide method using ascorbic acid as standard. The anthelmintic activity of these extracts was evaluated on earthworm with albendazole as standard. It was found that methanolic extract of leaves showed comparable antioxidant and anthelmintic activity.

Biography

Joshi U P is an Assistant Professor of Pharmacognosy at DCS's Annasaheb Ramesh Ajmera College of Pharmacy, India. He has completed his BPharm from North Maharashtra University Jalgaon and MPharm from Pune University. He has 8 years experience in teaching of Pharmacognosy. He has published research and review papers in some national and international journals with having good impact factor. He has also presented posters and participated in many global national as well as international conferences and seminars. He has represented university at state level inter university research convention two times from pharmacy teacher category. He is also Life Member of APTI & handled various mini-projects of BPharm students.

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