

Chromatographic evaluation and anthelmintic activity of *Eucalyptus globulus* oil

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ABSTRACT

In world Helminthes infections are the most widespread of all the infections in humans. The morbidity due to parasitic diseases has been increasing in our population. The gastrointestinal helminthes become resistant to the currently available anthelmintic drugs. Anthelmintic substances having considerable toxicity to human beings are present in foods derived from livestock, posing a serious threat to human health. Due to this, there is a need to derive new chemical substances from natural sources, for helminthes control. In this study, volatile oil isolated from *Eucalyptus globulus* Labill was evaluated for its anthelmintic activity on adult Indian earthworms, *Pheretima posthuma*, which have anatomical and physiological resemblance with the intestinal roundworm parasites of human beings. In concentrations of 0.05, 0.01 and 0.15 ml/ml, respectively, all the oil samples showed potent anthelmintic activity as compared to that of the standard drug albendazole at a concentration of 10 mg/ml.

KEYWORDS

Anthelmintic . *Eucalyptus globulus* . eucalyptus oil . *Pheretima posthumag*

REFERENCES

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