

An in vitro evaluation of the anthelmintic activity of *Hedychium spichatum* rhizomes and *Zingiber zerumbet* rhizomes on the *Pheritima Posthuma* model: A comparative study

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ABSTRACT

Ethanollic extracts of *Hedychium spichatum* rhizomes and *Zingiber zerumbet* rhizomes were taken for in vitro comparative studies on the anthelmintic activity against *Pheritima posthuma*. Different concentrations (25, 50, 100 mg/ml) of both the extracts were used for the activity. Varying albendazole concentrations (25, 50, 100 mg/ml) were used as a reference standard and normal saline (0.9% NaCl) was used for the control treatment. The results were expressed in terms of time in minutes to report the paralysis and time of death of the earthworms. The results obtained from the study indicate toward the anthelmintic activity, supporting folk use of both the plants when compared with the standard. The results also established that *Z. zerumbet* was a more potent candidature of as compared with *H. spichatum*.

KEYWORDS

Albendazole . anthelmintic activity . *Hedychium spichatum* . *Zingiber zerumbet*

REFERENCES

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