



Research article

## **Phytochemical investigation and anthelmintic activity of various leaf extracts of *Bixa orellana* Linn.**

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### **Abstract**

The present investigation was aimed at investigating the anthelmintic activity of *Bixa orellana* Linn. leaves. The dried leaf powder was subjected to successive extraction with ethanol, ethyl acetate, methanol and petroleum ether extract using Indian earthworms *Pheretima posthuma* as test worm. Various concentrations of each extracts were tested which involved determination of paralysis time and death time of the worm. Albendazole (10mg/ml) was used as a reference standard. The result of the present study indicates that among all the extract, ethanol and methanol showed dose dependant & significant anthelmintic activity. The ethanol extract showed better activity as compared to reference drug albendazole.

**Key words:** *Bixa orellana*; anthelmintic activity; albendazole.

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