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### In vitro Anthelmintic Activity of *Jasminum mesnyi* Leaves

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**Abstract** : Globally helminths diseases or contaminations impact a colossal number of populaces, particularly in rising nations. Current available treatment is not deprived of side effect. Hence the search of phyto remedies as anthelmintic which is deprived of side effect are in vogue. **Method:** The anthelmintic activity of hydroalcoholic extract of *Jasminum mesnyi* leaves as well as its chloroform, ethyl acetate and n-butanol fractions were studied against adult earthworm (n=6) *Eisenia foetida* (redworm) utilizing albendazole as the standard drug. The time taken for paralysis (Vermifuse), and death (Vermicidal) was noted down. **Result:** It was found that hydroalcoholic extract of JM (200 mg/kg) and its ethyl acetate as well as n-butanol fractions (10, 20, 40 mg/ml) possess significant anthelmintic activity which is comparable with albendazole (20 mg/ml). Preliminary phytochemical analysis confirms the presence of tannins, polyphenols and flavonoids in these extracts. Chloroform fraction is deprived of anthelmintic activity. **Conclusion:** It may be concluded that the hydroalcoholic extract of leaves of JM and its corresponding ethyl acetate & n-butanol fraction possessed significant anthelmintic effect. It may also be resolved that tannins, polyphenols and flavonoids are the possible constituents which may be responsible for anthelmintic effect of extract and its fraction. **Key words** : Anthelmintic *Eisenia foetida*, *Jasminum mesnyi*, phytochemicals, fraction.

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