

## *In vitro* investigation of anthelmintic activity of *Mitragyna parvifolia* (Roxb.) Korth. (Rubiaceae)

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### Abstract

In the present study anthelmintic activity of *Mitragyna parvifolia* (Roxb.) Korth. (Rubiaceae) stem-bark was performed in vitro against earthworms. Methanol extract of dried stem-bark was used for the study. The methanolic extract of *M. parvifolia* stem bark at the concentration of 100 mg/ml produced significant anthelmintic activity, whereas 20 mg/ml lower concentration did not produce significant results when compared with standard ( $P < 0.01$ ). The result of anthelmintic activity of methanolic extract produced were evaluated by observing paralysis time and death time of earthworms and were found to be dose dependent. This finding proves usefulness of stem-bark as a anthelmintic drug.

**Keywords:** *Mitragyna parvifolia*, Rubiaceae, Anthelmintic activity