

## Effect of methanol extract of *Cuscuta reflexa* on hepatotoxicity induced by antitubercular drugs in rats

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### ABSTRACT

Evaluation of hepatoprotective activity of extracts of *Cuscuta reflexa* (Convolvulaceae) on Isoniazid (INH) and Rifampicin (RIF) induced hepatotoxicity rats. Hepatotoxicity was observed by biochemical measurements: Serum alanine aminotransferase (ALT), aspartate aminotransferase (AST) and alkaline phosphatase (ALP) activities, -GT the levels of total bilirubin were evaluated. There was a significant decrease in serum parameters in extract and standard drug treated group. Histopathological changes were also observed in livers of animals that received extract and standard. The data generated in this study suggest that *Cuscuta reflexa*, could be very useful in the management of hepatoprotective on INH and RIF induced hepatotoxicity further studies will still be required at identifying the active hypoglycaemic phytoconstituents and their possible mechanism.

**Key words:** *Cuscuta reflexa*, Isoniazid, Rifampicin