

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

Balakrishnan B.R<sup>1\*</sup>, Sangameswaran. B<sup>1</sup>, Bhaskar V.H<sup>2</sup>

<sup>1</sup> Department of Pharmacognosy, Vinayaka Mission's College of  
Pharmacy, Vinayaka Missions University, K.N. Patty, Salem-636  
008, Tamil Nadu, India

<sup>2</sup> M.P. Patel College of Pharmacy, Kapadawnji, Gujarat

\*Correspondence: sangar1970@yahoo.co.in

### 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 phosphate (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.

**Industrial relevance:** 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