



Hepatoprotective Fraction from Aerial Parts of *Delonix regia*

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SUMMARY. The present study deals with the amelioration by *Delonix regia* aerial parts extract against hepatotoxicity induced by carbon tetrachloride (CCl₄), which was evaluated in terms of serum marker enzymes like aspartate aminotransferase, alanine aminotransferase, alkaline phosphatase, albumine, total protein, direct bilirubine and total bilirubine. These biochemical parameters were alter by the single dose of CCl₄ (2 ml/kg, p.o.). Pretreatment with *D. regia* extracts prior to administration of CCl₄, at the dose of 400 mg/kg p.o. per day for 7 days, significantly restored all the serum and liver tissue parameters near to the normal levels. Silymarine was used as reference standard. Amongst all the fractions, ethyl acetate fraction showed best protective potential of *D. regia* aerial parts against hepatotoxicity.

KEY WORDS: AST, ALT, *Delonix regia*, Hepatoprotective, Silymarin.

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