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Evaluation of hepatoprotective activity of *Ficus bengalensis*

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The hepatoprotective activity of methanolic extract of bark of *Ficus bengalensis* against paracetamol and CCl₄ induced liver damage was investigated. Treatment of rats with paracetamol and CCl₄ produced a significant increase in the levels of serum glutamate pyruvate transaminase SGPT, serum glutamate oxaloacetate transaminase SGOT, alkaline phosphatase ALP, total and direct *bilirubin*. Rats pretreated with methanolic extract of barks of *F. bengalensis* 100 and 250 mg/kg body weight p.o. exhibited rise in the levels of these enzymes but it was significantly less as compared to those treated with paracetamol or CCl₄ alone. The results of methanolic extract of *F. bengalensis* were comparable with the standard hepatoprotective agent silymarin 100 mg/kg. Maximum hepatoprotective effect was found to be at the dose of 250 mg/kg body weight in case of CCl₄ induced hepatic damage while 500 mg/kg body weight in case of paracetamol induced hepatic damage. Obtained data suggest that methanolic extract of *F. bengalensis* bark possesses a potential antihepatotoxic activity.

Biography

Jagdish R Baheti did his PhD in Pharmacy in 2006 from Gujarat Univeristy, Ahmedabad India and Post graduate M. Pharmacy in year 2000. He has more than 14 years of Teaching Experience out of which 5 years of administrative experience as a Princial I/c and Head of Department with 25 research publications and 22 research presentations and one book published from LAP Germany. He had been to Singapore and America (USA) for paper presentation where he received Best Paper Award. He carried out few SPONSORED research project(UGC, UNIVERSITY OF PUNE) and Delivered Guest lectures and invited talk at conferences, seminars etc. He has introduced PG program in S.S.D.J. College of Pharmacy, India and organized various national level seminars and conferences.

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