

Antidiabetic activity of *Vinca rosea* extracts in Alloxan induced diabetic rats

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The present study was carried out to evaluate the antidiabetic activity of *Vinca rosea* methanolic whole plant extracts in Alloxan induced diabetic rats for 14 days. The methanolic whole plant extract at high dose (500mg/kg) exhibited significant anti-hyperglycemic activity than whole plant extract at low dose (300mg/kg) in diabetic rats. The methanolic extracts also showed improvement in parameters like body weight and lipid profile as well as regeneration of β -cells of pancreas in diabetic rats. Histopathological studies reinforce the healing of pancreas, by methanolic *Vinca rosea* extracts, as a possible mechanism of their antidiabetic activity.

Biography

Mohammed Fazil Ahmed has completed his M.Pharmacy (Pharmacology) at the age of 25 years from Annamalai University and pursuing Ph.D in Pharmacology from Jawaharlal Nehru Technological University Hyderabad. He is the Associate Professor, of Nizam Institute of Pharmacy, Hyderabad. He has published more than 15 papers in reputed journals and serving as a reviewer for many International and National Journals.

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