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## Antihypertensive effect of leaves of *Tephrosia purpurea* Linn. on isolated frog heart

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*Tephrosia purpurea* Linn. is a polymorphic, much branched, sub erect, perennial herb used traditionally for the cure of various ailments such as ulcer, epilepsy, tumor, diuretic and asthma etc. In the present study, leaves of *Tephrosia purpurea* Linn. were used to evaluate for its anti hypertensive effect by using isolated frog heart model. For this study, ethanolic extract was used since ethanol is a universal solvent for many active phytoconstituents. Phytochemical screening of ethanolic extract showed presence of active principles like steroids, carbohydrate, Saponins, glycoside and Flavonoids. Ethanolic extract of leaves of *Tephrosia purpurea* Linn. (EELTP) reduced the heart rate and force of contraction of the isolated frog heart, these effects being dose dependent. Increasing the concentration of the EELTP to 8 mg/ml reduced the heart rate of isolated frog heart from 62 per minute to 44 per minute. The percentage reduction in force of contraction was observed up to 76.47%

### Biography

Sufiyan Ahmad has completed M. Pharm from Vinayaka Mission University Salem and is pursuing PhD studies from JJTU Rajasthan. He has published more than 12 papers in reputed journals.

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