HYPOGLYCEMIC POTENTIAL OF MOMORDICA CHARANTIA LINN. IN STREPTOZOTOCIN INDUCED DIABETIC ALBINO MICE

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ABSTRACT – In order to check its hypoglycemic property, experiments were conducted in streptozotocin induced diabetic albino mice. The LD$_{50}$ of STZ was seen to be 650 mg/kg bw. Significant reduction in blood glucose level was seen within 24 hours after administration of ethanolic extract of Momordica charantia. On administration of subsequent doses of ethanolic extract, significant decrease has also been seen in serum glucose level, creatinine, ALT, AST, AP of STZ induced albino mice. Thus one or other part of M. charantia can be used in lowering down blood glucose level.

Keywords : Momordica charantia, glucose, kidney function, liver function.