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## **A STUDY ON HEPATOPROTECTIVE AND ANTIOXIDANT ACTIVITY OF GLOCHIDION VELUTINUM LEAVES AGAINST GALACTOSAMINE INDUCED OXIDATIVE STRESS IN RATS**

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**ABSTRACT:**The aim of the current study to study on hepatoprotective and antioxidant activity of *Glochidion Velutinum* leaves against D Galactosamine induced oxidative stress in rats.D-galactosamine causes a kind of liver damage that is similar to that seen in humans with viral hepatitis. A reduction in enzyme activity after treatment with EEGV indicates that the drug has an anti-inflammatory impact on the liver. The hepatocyte membrane appears to be protected by EEGV. Reactive oxygen species (ROS) and antioxidant defence mechanisms in a cell or tissue are out of balance, creating oxidative stress. Toxic effects of D-galactosamine on the hepatocytes of rats have been documented. This enzyme may play a key function in removing hydroperoxides from lipids. EEGV's capacity to boost antioxidant levels and its antilipidperoxidative activity implies that this chemical may be effective in counteracting free-radical-mediated tissue damage caused by hepatotoxicity. D-galactosamine-induced liver disease in rats was ameliorated by supplementation with this flavonoid.

**Keywords:**, Glochidion Velutinum hepatoprotective and antioxidant activity, Rats