Bio chemistry **Abstract**
International Journal of Clinical And Diagnostic Research
Volume 3, Issue 1, Jan-Feb 2015.

"HEPATOPROTECTIVE ACTIVITY OF ALCOHOLIC EXTRACT OF COLDENIA PROCUMBENS LINN. AGAINST PARACETAMOL INDUCED HEPATOTAOXICITY IN RATS"

R. Ganesan, Mathuram Venkatanarasimhan,G.Pramod Reddy, Sharad Pawar, P.Sathyarajeshwaran, S. Jaga Jothi Pandian, Prema Gurumurthy

Corresponding Author: [1]Siddha Central Research Institute, Anna Hospital Campus, Arumbakkam, Chennai-600106.Tamilnadu, India. [2]Department of chemistry, Captain Srinivasa Moorthy Drug Research Institute of Ayurveda (CSMDRIA), Chennai.[3]International Center for Biomedical Sciences and Technology,Frontier Life Line Hospital, Mogappair, Chennai-101.E-mail: ganeshbiochem@yahoo.co.in

The alcoholic extract of Coldenia procumbens in normal saline (Vehicle) was evaluated for hepatoprotective activity in Wister albino rats by inducing hepatic injury with paracetamol (2g/kg body weight orally). Paracetamol induced hepatic damage was manifested by a significant increase in the activities of marker enzymes. Biochemical data exhibited significant hepatoprotective activity of alcoholic extract of Coldenia procumbens at oral dose of 200 and 400 mg/kg against paracetamol. Silymarin was used as reference standard also exhibited significant hepatoprotective activity against paracetamol. The biochemical observations were supplemented with histopathological examination of rat liver sections.