

## **Influence of Heliotropium Undulatum on Hepatic Glutathione Conjugating Enzymes System in Acetylhydrazide-Rats**

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**Abstract :** Acetylhydrazide (ACHD) is a metabolite of the anti-tubercular drug isoniazid (INH) that has been implicated in liver damage. This study was designed to evaluate hepatoprotective of n-BuOH extract of Heliotropium undulatum (HUBE) in ACHD hepatotoxicity in rats. Hepatic damage was induced by administration of ACHD (300 mg/Kg op). The protection was affected by the administration of HUBE (200 mg/Kg op) for 14 days before ACHD administration, caused a decrease in LPO levels and in the transaminase and ALP levels and restored the GSH and its related enzymes (GPx, GST, GR) (50-62 %). Simultaneous administration of HUBE afforded a partial protection in statue of hepatic GSH conjugating enzymes upon administration of ACHD.

**Keywords :** heliotropium undulatum, acetylhydrazide, glutathione conjugating enzymes, oxydatif stress, heaptoprotectif effect

**Conference Title :** ICPPP 2016 : International Conference on Pharmacology, Pharmacoepidemiology and Pharmacovigilance

**Conference Location :** Istanbul, Türkiye

**Conference Dates :** April 19-20, 2016