

Evaluation of the efficacy of *Melothria maderaspatana* in the alleviation of carbon tetrachloride-induced liver dysfunction

M.Ira Thabbew, K.A.P.W. Jayatilaka, D.J.B. Pereba

Departments of Biochemistry and Pathology, Faculty of Medicine, University of Ruhuna, Galle Sri Lanka

Abstract

An investigation was carried out to evaluate the ability of *Melothria maderaspatana* to protect the livers of albino rats from carbon tetrachloride-mediated alterations in liver histopathology and serum levels of alanine aminotransferase, aspartate aminotransferase and alkaline phosphatase. Treatment with an aqueous extract of *Melothria* aerial parts (either before or after CCl₄ administration) markedly decreased CCl₄-mediated alterations in liver histopathology as well as serum enzyme levels. Results provide supportive evidence for the folklore view that this plant is a good hepatotonic.