Antihepatotoxic Activity of *Phyllanthus atropurpureus* Cultivated in Egypt

Taha Sarg, Afaf Abdel Ghani, Rawia Zayed*, and May El-Sayed

Department of Pharmacognosy, Faculty of Pharmacy, Zagazig University, 44519 Zagazig, Egypt. E-mail: rawiazayed@hotmail.com

* Author for correspondence and reprint requests


The genus *Phyllanthus* (family Euphorbiaceae) is considered one of the important medicinal and ornamental plants. A phytochemical analysis of the extracts was performed to search for the active ingredient. Results of the investigation of the hepatoprotective activity of *Phyllanthus atropurpureus* Boj. Hort. Maurit, revealed that the activities of alcoholic extracts of its aerial parts and roots were quite similar to those of silymarin. Both of them improve the parameters of CCl₄-induced liver injury including serum aspartate aminotransferase and alanine aminotransferase. Among the extracts tested, the root extract showed maximum activity compared to the aerial parts extract and to silymarin.

**Key words:** *Phyllanthus*, Euphorbiaceae, Hepatoprotective Activity