

## **Phytochemical Screening and Toxicological Studies of Aqueous Stem Bark Extract of *Boswellia papyrifera* (DEL) in Albino Rats**

**Authors :** Y. Abdulmumin, K. I. Matazu, A. M. Wudil, A. J. Alhassan, A. A. Imam

**Abstract :** Phytochemical analysis of *Boswellia papyrifera* confirms the presence of various phytochemicals such as alkaloids, flavonoids, tannins, saponins and cardiac glycosides in its aqueous stem bark extract at different concentration, with tannins being the highest ( $0.611 \pm 0.002$  g %). Acute toxicity test (LD50, oral, rat) of the extract showed no mortality at up to 5000 mg/kg and the animals were found active and healthy. The extract was declared as practically non-toxic, this suggest the safety of the extract in traditional medicine.

**Keywords :** acute toxicity, aqueous extract, *boswellia papyrifera*, phytochemicals, stem bark extract

**Conference Title :** ICBBMB 2015 : International Conference on Biochemistry, Biophysics and Molecular Biology

**Conference Location :** Istanbul, Türkiye

**Conference Dates :** July 29-30, 2015