Abstract

The current study was undertaken with the aim of establishing the safety profile of different parts of Physalis peruviana L extracts in male wistar albino rats. The biochemical parameters were determined using Humanlyser 2000, a controlled photometer, while the haematological parameters were analyzed using HumanCount 5 L automated lazer haematology analyzer. Results on haematological parameters revealed that after 28 days of administration of Dichloromethane Physalis peruviana leaf and Dichloromethane Physalis peruviana stem crude extracts to rats at 500mg/kg /day, there were significant increase (P<0.05) on serum Alkaline phosphatase, total protein and total bilirubin. Peripheral blood films revealed marked Polychromasia in aqueous Physalis peruviana roots and acanthocytes in aqueous Physalis peruviana stem treated groups compared to the negative control. It can be concluded that extracts of P. peruviana at the doses tested had mild toxic effects and also lead to boosting of immunity in body systems.