



**Effect of Ethanolic Extracts leaves of  
*Eucalyptus camaldulensis* on haematological parameters of  
Maleswistar rats**

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**Abstract:**The study was designed to evaluate the effect of Ethanolic Extracts leaves of *Eucalyptus camaldulensis* on haematological parameters of wistar rats. Twenty-five adult maleswistar rats weighing between 80 to 130 g were used. The rats were divided into five groups; with group one as the control group. Increasing doses (12.5, 25.0, 50.0, 72.5 mg/ml) of the extract were administered orally daily to the other four groups for a period of four weeks. The animals were sacrificed and the blood collected for haematological parameters using automated haematological blood analyzer machine. The results indicate significant increases in level of Haemoglobin (Hb), White Blood Cell (WBC), and Red Blood Cell (RBC) but a decrease in the levels of the Mean corpuscular volume (MCV), mean corpuscular hemoglobin concentration (MCHC). The study confirmed that leaves extract of *Eucalyptus camaldulensis* have some significant effects on haematological parameters of the maleswistar rats and these effects are dose dependent.

**Key world:***Eucalyptus camaldulensis* , haematologicalwistar rats , WBC , RBC , MCHC , MCV , haematological blood analyzed.