

## عنوان مقاله:

In vivo Investigation of Haematological and Histological Effects of Leaves Extracted from some Herbs on Plasmodium berghei

## محل انتشار:

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## نویسندگان:

Ugor Bassey - Department of Biochemistry, Faculty of Basic Medical Sciences, University Cross River, Nigeria

Omang Edoamodu - Department of Biochemistry, Faculty of Basic Medical Sciences, University Cross River, Nigeria

## خلاصه مقاله:

This study was aimed at investigating the haematological and histological effects of ethanolic leaves extract of *Jatropha curcas* on *Plasmodium berghei* infected mice. Forty eight mice weighing between 22-24g were assigned into six study groups of eight mice each. Forty mice were parasitized by *Plasmodium berghei* and used for extract and orthodox treated groups while eight mice were unparasitized. Group 1 was designated as positive control, group 2 was parasitized and designated as negative control. Group 3 was parasitized and designated as orthodox treated group of 100mg/kg body weight of Lonart DS. Group 4 to 6 were parasitized groups and treated with 400mg/kg, 100mg/kg and 200mg/kg body weight of ethanolic extract of *Jatropha curcas* leaves. Haematological parameters analyzed were hemoglobin (Hb), packed cell volume (PCV) and white blood cell (WBC). The hematological and histological investigations in groups 3, 4, 5 and 6 in orthodox and extract treated mice with 400mg/kg, 100mg/kg and 200mg/kg body weight of ethanolic extract of *Jatropha curcas* leaves showed significant reduction in their parasitemia levels compared to negative control group. The ameliorating effect of extract treated groups showed anti-plasmodia and anti-anemic activities which were confirmed in the histological tissues of *Plasmodium berghei* infected mice.

## کلمات کلیدی:

*Jatropha curcas*, *Plasmodium berghei*, Haematological indices, Histological tissues

## لینک ثابت مقاله در پایگاه سیویلیکا:

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