

## Evaluation of Activity of Anacyclus Pyrethrum Methanolic Extract on Acute Inflammation Induced in Rats

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**Abstract :** The activity of methanolic extract from *Anacyclus pyrethrum* was evaluated using  $\lambda$ -carrageenan 1% induced paw edema in Wistar Albinos rats. The oral administration of 200 mg/kg, 400 mg/kg and 600 mg/kg, body weight of methanolic extract, one hour before induction of inflammation, exerted a significant inhibition effect of 47%, 57% and 62% respectively after 4h  $\lambda$ -carrageenan treatment and highly significant inhibition effect of 57%, 66% and 75% respectively after 8h  $\lambda$ -carrageenan treatment, compared to non treated group (100%) and that treated with aspirin, a standard anti-inflammatory drug. On the other hand, the effect of the plant extract on stomach was macroscopically and microscopically studied. The plant extract has an impact on the loss ratio of granulocytes that have invaded the stomach after a period of inflammation at a dose of 600 mg/kg body weight.

**Keywords :** inflammation, *Anacyclus pyrethrum*, gastritis, Wistar Albinos rats

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