

## **Juvenomimetic and larvicidal effects of *Aloe vera* and *Bryophyllum pinnatum* extracts against the larvae of confused flour beetles**

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**ABSTRACT :** Promising results obtained on the juvenomimetic and larvicidal effects of acetone extracts of two medicinal plants, *Aloe Vera* and *Bryophyllum pinnatum* on 6<sup>th</sup> instars larvae of confused flour beetle, *Tribolium confusum* indicated a great potential for its exploitation as insecticide. The development of larvae was completely inhibited at 1mg dose of *Aloe vera* leaf extract, as there was no emergence of adult at this dose. Larvae treated with extracts from *Bryophyllum pinnatum* did not complete their development also due to prolongation of larval period, formation of larval-pupal intermediates and abnormal pupae. Most of the adults emerging from such pupae showed deformed adults and died within a week after emergence without egg laying.

**Key Words:** Juvenomimetic, larvicidal, *Aloe vera*, *Bryophyllum pinnatum*, *Tribolium confusum*.