

**OVICIDAL, NYMPHICIDAL AND JUVENOMIMETIC EFFECT OF ADHATODA VASICA
EXTRACT ON THE RED COTTON STAINER, *DYSDERCUS CINGULATUS* (FAB.)
(HETEROPTERA: PYRRHOCORIDAE)**

EVANGELIN G¹, CHRIS VAZ², JUNAS EKKA³, JOHN JULIET J⁴ & JOHN WILLIAM S⁵

^{1,2,3,4}Research Scholar, P.G. and Research, Department of Advanced Zoology and Biotechnology,
Loyola College, Tamil Nadu, India

⁵Associate Professor, P.G. and Research, Department of Advanced Zoology and Biotechnology,
Loyola College, Tamil Nadu, India

ABSTRACT

With an ever increasing population the need to produce more yield in limited area has become indispensable. Synthetic pesticides use to suppress pest population have caused the development of resistance in pests over the years and they have also been proved to cause health hazards. In such a scenario, botanical insecticides have helped control rampant damage to plants caused by pests. *D. cingulatus*, also called red cotton stainer is a major pest of cotton in many parts of India. The extract of *A. vasica* showed promising ovicidal, nymphicidal and juvenomimetic activity against this pest.

KEYWORDS: *Adhatoda vasica*, Cotton, *Dysdercus cingulatus*, Juvenomimetic Activity, Nymphicidal, Ovicidal