

Effect on Haemolymph Cellular Parameters of *Periplaneta Americana* Following Challenge with *Agrobacterium Tumefaciens*: A Possible Microbial Control Agent

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Abstract : The present study is primarily concerned with the alteration in haemocyte profile of adult male *Periplaneta americana* with emphasis on the effect of bacterial inoculations on the haemogram i.e., total haemocyte count (THC) and differential haemocyte count (DHC) of different haemocyte types of the target insect. Haemolymph cellular profile showed considerable alterations under the effect of nine strains of *Agrobacterium tumefaciens* after 8, 16 and 24 hrs of treatment thereby signifying the potential role of *Agrobacterium tumefaciens* as a possible biocontrol agent against the house hold pests.

Keywords : *Agrobacterium tumefaciens*, *Periplaneta americana*, Haemolymph, cellular parametes

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