

## EVALUATION OF OVIPOSITION BEHAVIOUR OF *CULEX QUINQUEFASCIATUS* MOSQUITO AT VISAKHAPATNAM DISTRICT, ANDHRAPRADESH

P.SURYA SRI, SATYAVENI ADIREDDY, CH. SUBRAHMANYAM,  
SOMU RAMAKRISHNA & B. V. SANDEEP

Department of Zoology, Andhra University, Visakhapatnam, Andhra Pradesh, India

### ABSTRACT

Mosquito borne diseases are major supporters to the communicable illness burden within the South-East Asia locale. Within the display examination, both juvenile and develop stages of different mosquito species were collected from different areas of Visakhapatnam district, Andhra Pradesh during 2019. Mosquitoes were distinguished based on the examination of the ordered keys and *Culex quinquefasciatus* mosquitoes were copiously accessible in nearly all chosen ponder destinations. In arrange to discover out oviposition inclination, gravid female *Culex quinquefasciatus* were permitted to oviposit in ovitraps with diverse concentrations of NaCl, totally different coloured ovitraps, in water from distinctive sources, in hatchling holding water and completely different measured ovitraps. Comes about of research facility oviposition bioassays appeared that the number of egg flatboats laid by gravid *Culex quinquefasciatus* steadily diminished with increment in NaCl concentration. When gravid mosquitoes were permitted for oviposition totally different coloured ovitrap, black ovitraps was found to be the foremost favored colour by this mosquito species. Water tests collected from diverse sources were utilized within the ovitraps to get it the ovi position preference of this mosquito species. Water collected from paddy field was found to be the foremost favored water among all other water test studied. Finally, it was taken note that *Culex quinquefasciatus* laid greatest number of egg flatboats in ovitraps containing hatchling holding water than refined water. In connection to the holder measure, female grown-up *Culex* mosquito kept clearly more egg pontoons within the biggest ovitrap taken.

**KEYWORDS:** South-East Asia, Visakhapatnam District, Andhra Pradesh, Ovitrap & Oviposition