**Abstract**

Insecticidal properties of plant extracts are most promising alternatives to chemical insecticides. Many wild plants do possess novel active compounds which can show mosquitocidal potential. The mosquitocidal properties of *Syzygium lineare* were studied against the target vector *Aedes aegypti* and *Anopheles stephensi.*  The petroleum ether, chloroform and ethyl acetate extracts of *Syzygium lineare* were studied for its larvicidal against the mosquito vector. The results showed that the petroleum ether extracts of *Syzygium lineare* showed highest activity against larvae of *Aedes aegypti* and *Anopheles stephensi.* The results suggests that the petroleum ether extract of *S. lineare* have promising mosquitocidal properties; further the active principles present in the extract will be explored to develop an eco-friendly product for control of important vectors.