Effect of fumigants obtained from different locally available plants on mushroom pest *Megaselia* sp

Kulawansa P.W.L.P, Chandana E.P.S and Wegiriya H.C.E
Department of Zoology, Faculty of Science, University of Ruhuna

Correspondence: kulawansapwlp@yahoo.com

Fly pest (*Megaselia* sp) is a key insect pest in oyster mushroom farms. Different larval stages with varying abundance cause a considerable damage to the mushrooms. Effects of fumigants obtained from locally available plant leaves on the mortality of the *Megaselia* sp have been investigated.
Results indicate that fumigants obtained from plants such as Lime (*Citrus aurantifolia*), Cinnamon (*Cinnamomum verum*), Marigold (*Tagetes patula*), Temple Tree (*Plumeria obtuse*), Castor Bean (*Ricinus communis*), Paddy-straw (*Oryza sativa*), Pavetta (*Pavatta indica*), Cashew (*Anacardium occidentale*), Neem (*Azadirachta indica*), Cyprus (*Casuarina equisetifolia*), Sandal wood (*Santalum album*), Acasia (*Acacia mangium*) and Holy Basil (*Ocimum sanctum*) were effective in controlling the *Megaselia* sp larvae in laboratory conditions causing more than 50 % mortality of 3rd instar stage of *Megaselia sp.*