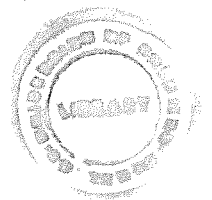


ANALYSIS OF VOLATILE COMPONENTS OF SOME SRI LANKAN FLOWERS



DELKANDURE DHANAPALA MUDIYANSELAGE DEEPANI DHAMMIKA DELKANDURA

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ABSTRACT

Methylene chloride extracts of four Sri Lanka flowers were analysed using GC and GC-MS. Fourty compounds were identified from *Brunfelsia americana* flowers and out of them Benzyl alcohol, Indole, Phytol, Iso-eugenol and 2,6,10-Dodecatrien-1-ol,3,7,11-trimethyl- are the main components. Twenty compounds were identified from *Nyctanthes arbor-tristis* flowers and out of them Heptacosane, Heneicosane,11-pentyl- and phytol are the major components. Twenty eight compounds were identified from *Horsfieldia iryagedhi* flowers and out of them Caryophyllene, 3-Buten-2-one,4-(2,6,6-trimethyl-1-cyclohexen-1-yl)- and Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-1,8a-dimethyl-7-(1-methylethenyl)-, [1S-(1.alpha.,7.alpha.,8a.alpha.)]- were found to make a major contribution to the odour of this flower. Ten compounds from *Crinum latifolium* flowers were identified and out of which Hexacosane, Tricosane and Tetracosane gives the major contribution to the floral odour of the flower.

Key Words :

<i>Brunfelsia americana</i>	<i>Nyctanthes arbor-tristis</i>
<i>Horsfieldia iryagedhi</i>	<i>Crinum latifolium</i>
Sepalika Ruk GC-MS	Volatile compounds