

E - 54 **TRITERPENES FROM THE LEAVES OF *PLEUROSTYLIA OPPOSITA* (CELASTRACEAE)**

P. Mangala Muthukuda, N. Savitri Kumar
(*Department of Chemistry, University of Peradeniya*)

and

S. Balasubramaniam
(*Department of Botany, University of Peradeniya*)

*Pleurostyli*a was considered to be a monotypic genus, but four species have been reported recently. We have reported the isolation and structural investigation of the stem bark constituents of *Pleurostyli*a *opposita*. The isolation of the two triterpenes friedelin and epifriedelinol along with two alkaloids from the leaves of *P. africana* has also been reported. In this paper we report the isolation and identification of triterpenes from the leaves of *P. opposita*.

The benzene extract (40 g) of the leaves of *P. opposita* on column and preparative thin layer chromatography yielded an unidentified acetate (0.1 g, m.p. 50–51°), friedelin (2.4 g), epifriedelinol (2.5 g), β -sitosterol (0.1 g), α -amyrin (0.8 g), 6 β , 20-dihydroxy-lupan-3-one (0.1 g), 3 β , 6 β -dihydroxy-lup-20(29)-ene (0.15 g) and 6 β , 28-dihydroxy-lup-20(29)-ene-3-one (0.2 g).