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Preliminary Phytochemical Screening of *Bauhinia Tomentosa* by GC- MS Analysis

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Abstract:*Bauhinia tomentosa*(yellow bell) is an orchid tree found widely in Tropical countries of more than 300 species was selected as the plant source in the present investigation. The plant was segregated into leaf, stem and flower and were air dried and powdered. The powdered samples were subjected to methanolic extract and were analysed for phytochemicals using GC-MS. The methanolic extract registered the maximum number of phytochemicals than the flower and stem extracts. The retention time of the leaf extract varied from 2.5 to 25.5 during the period of study. The percentage area varied from 3 to 48.9 which revealed that the bioactive compounds are permanent and stable which can be used as alternate constituent in the manufacture of tablets and medicines.

Keywords:Phytochemicals, extract, GC-MS, peak, retention time, methanol.

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