GC-MS, HPTLC FINGERPRINTING AND PHYTO-CHEMICAL PROFILING STUDIES OF SPONDIAS PINNATA LEAVES

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**Abstract**. The main aim of present research work is Extraction, Isolation, Structure elucidation and GC-MS & HPTLC fingerprinting studies. Extraction by soxhelt apparatus and isolation by column chromatography using 100-120 mesh silica gel as stationary phase and 5% EA:n-Hex as mobile phase.

The samples of 50% (EA:HEX) are analyzed (CAMAG HPTLC System ) and for GC-MS samples are injected.

HPTLC results displayed the bands with Rf values under 254 and 366 nm and white lamp. Gas-Chromatography-Mass spectrometry analysis of n-hexane, Ethyl acetate and Methanol extracts showed new components in spondias pinnata. Structure elucidation of isolated compound confirmed by IR, Mass and NMR spectra’s.

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