



**Adsorption Study of Benzene and Toluene by HPLC Method
on Low Cost Material – A Case Study**

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ABSTRACT

The newest result in the employment of carbon-based composites in chromatographic techniques such as high-performance liquid chromatography was carried. In the present investigation the adsorption studies of aromatic compounds like benzene and toluene by HPLC method onto the surface of Low Cost Material (LCM) (Kammoni, Nilgiri, Jaswand, Raatrani, Ashoka, Pattakobi, Chana, Palak, Chiku Dalimb and Ambadi) as adsorbent was carried. Adsorption capacity of LCM adsorbent was calculated from its area itself. The results are concisely described and critically evaluated.

Keywords: LCM, adsorbent, HPLC, Benzene, Toluene.
