



Research article

***In-vitro* cytotoxic studies of *Cordia monoica* (Roxb.) leaves on HeLa E 139 cell lines**

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Abstract

Aim: The present study was carried out to determine the cytotoxicity of *Cordia monoica* (Roxb.) leaves on cancer cell lines. **Materials and methods:** *Cordia monoica* (Roxb.) belongs to Boraginaceae family and is commonly known as sand paper. The flowers are cream in color and turn brown on drying. The leaves of the plant have a texture of sandpaper. The Leaves of *C. monoica* was extracted with ethanol and subjected for *in-vitro* anti-tumor studies. The *in-vitro* Cytotoxicity screening was carried out with HeLa E 139 cell line using MTT assay. **Result:** The study indicated that the extract is toxic to the cell at higher concentration and was dose dependent. The plant extract has cytotoxic effects on HeLa E 139 cell line as concentration increases. **Conclusion:** Hence, the present study supports *C. monoica* (Roxb.) can be a potent anti-cancer herb if it is exploited.