**An outlook on constructed wetland for the treatment of phenol containing wastewater**

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**Abstract**

To characterize the performance of constructed wetlands (CWs) for treating phenol containing wastewater, lab-scale unplanted horizontal subsurface flow (HSSF) CW treating contaminated wastewater from a petroleum refinery. One inexpensive approach for wastewater treatment is CWs. Phenolic compounds are priority pollutants that need to be treated and eliminated from water sources because they may have harmful and cancer-causing effects. The removal efficiency of hydrocarbons through gravel media was determined for this study. This study showed the capability of subsurface flow systems for reclaiming phenol-contaminated water. By contrasting the features of the treated wastewater with current reuse criteria, the reusability of the wastewater was also evaluated.

**Keywords:** Constructed Wetland, Phenol, Horizontal Flow, Petroleum Refinery Wastewater.