

Phytoremediation of Cr from Tannery Effluent by Vetiver Grass

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Abstract : Phytoremediation of chromium metal by vetiver grass was investigated in hydroponic system. The removal efficiency for organic load, nutrient and chromium were evaluated as a function of concentration of waste effluent (40 and 50% dilution with distilled water). Under this conditions 64.49-94.06 % of chromium was removed. This shows vetiver grass has potential for accumulation of chromium metal from tannery waste water stream.

Keywords : chromium, phytoremediation, tannery effluent, vetiver grass

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