



Removal of heavy metals from Industrial Effluent using *Salvinia molesta*

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Abstract : Phytoremediation is the natural ability of certain plants to bio-accumulate, degrade, (or) render harmless contaminants in soils, water, (or) air. Hydrophytes due to their large amount of existence in the ecosystem and it used as an indicator for the removal of heavy metals from the industrial effluents. The effluents coming out from industries had high concentration of chromium, lead, copper and cadmium. In the present study, the concentration of chromium, lead, copper, and cadmium before and after treatment were analysed using Atomic absorption spectrophotometer (AAS). The obtained results revealed that the content of heavy metals (less than 10 ppm) was within the permissible levels, except chromium and lead. The results revealed that *Salvinia molesta* can grow healthy with the accumulation of these metals.

Keywords: Heavy Metals, Industrial Effluent, *Salvinia molesta*, AAS.

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