

Phytoaccumulation of Heavy Metal by Water Lettuce (*Pistia Stratiotes* Linn.) and Water Primrose (*Ludwigia Peploides* Linn.)

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Abstract

The effectiveness of water lettuce (*Pistiastratiotes* Linn.) and water primrose (*Ludwigia peploides* Linn.) were evaluated for their capabilities in removing heavy metals from water. The uptake of metals from a model solution containing 10 ppm each of Cd²⁺, Cu²⁺, Pb²⁺ and Zn²⁺ by water lettuce and water primrose were studied at pH 5,6,7 and 8 for 1,2,3,4 and 5 days. Maximum metal uptake (%) by water lettuce and water primrose were observed at pH 5 for all metal ions.

Key words : Water lettuce (*Pistiastratiotes* Linn.), water primrose (*Ludwigia peploides* Linn.), heavy metal, model solution, uptake (%)

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