
Evaluation of the amount of Ar, Hg, Zn and Cu in aquatic plant, *Chara sp.*, *Phragmites australis*, *Typha latifolia* and *Scirpus bulrush* in Dez River

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Abstract

In this study, heavy metals concentration of arsenic, mercury, zinc, and copper were measured and studied in four native species of Dezful's aquatic plants includes of efficient *Chara sp.*, Reed *Phragmites australis*, *Typha latifolia* and *Scirpus bulrush* in spring of 2014. After sampling from south of Dez river, samples weretransported to the laboratory and dried by autoclave in standard methods. Heavy metals have been measured in root, leaf and stem by atomic absorption. The results presentthat root of aquatic plantshas the most accumulation of heavy metals. Zinc was the highest amount in aquatic plant. *Typha latifolia* showed the most zinc in this study.

Keyword: arsenic, mercury, zinc, copper, *Chara sp.*, *Phragmites australis*, *Typha latifolia*, *Scirpus bulrush*