

Phytoremediation Potential of Tomato for Cd and Cr Removal from Polluted Soils

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Abstract : Cadmium and chromium are toxic to most organisms and different mechanisms have been developed for overcoming with the toxic effects of these heavy metals. We studied the uptake and distribution of cadmium and chromium in different organs of tomato (*Lycopersicon esculentum* L.) plants in nine heavy metal polluted soils in western Hormozgan province, Iran. The accumulation of chromium was in increasing pattern of fruit peel and bio-concentration but cadmium concentration detected determination examined factor for fruits. in more neither no nor not of p peel phytoextraction phytostabilization polluted pulp revealed roots. shoots showed soil. soils suitability suitable than that the tomato translocation was with

Keywords : cadmium, chromium, phytoextraction, phytostabilization, tomato

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