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Accumulation of Cadmium & Cobalt in Different Crops

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ABSTRACT: For present study five different crops i.e. *Solanum lycopersicum, Zea mays, Pennisetum, Sorghum vulgare,* and *Cannabis sativus* were selected. These crops were analyzed for the accumulation of cadmium and cobalt. The accumulation of metals from roots to shoots was evaluated in terms of Translocation Factor (TF). Total metal concentrations of Cd and Co in roots and leaves varied between 175.58- 15.36 µg/g. Accumulation of cadmium was higher among the crops as compared to the cobalt. Among the five crops i.e. *Solanum lycopersicum, Zea mays, Pennisetum, Sorghum vulgare,* and *Cannabis sativus, Cannabis sativus* accumulate highest concentration of these two heavy metals as compared to the rest and showed best results.

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