

Cadmium Accumulation in the Edible Parts of Some Vegetable Species from Khartoum State-Sudan

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Abstract

The current investigation aimed to evaluate cadmium concentration in some fruit vegetables (Tomatoes, Eggplant, Snake cucumber and Okra), leafy vegetable (Jew's mallow, Purslane and Watercress) and Tubers (Potatoes) samples sold from Elsoog Elshaabi Omdurman, shops in the main street as well as markets of the Nile street, Khartoum State. Cadmium concentrations of samples were quantified using Atomic Absorption Spectrometer (AAS) Perkin Elmer. The highest Cd concentrations were recorded for tomato (4.9 mg kg), snake cucumber (1.6 mg kg) and eggplant (1.1 mg kg) quantified in the main street, beriet, berioRtAreet, Å and aMthe R

0.82	0.3Hf ± 0.15	0.57EFef ± 0.16	1.6Bb ± 0.18	Snake cucumber
0.55	0.35Gf ± 0.13	0.6Ee ± 0.12	0.7Ee ± 0.15	Okra
	2.08	0.49	0.67	Average
			0.11	LSD at 0.05 for row (capital litter)