

عنوان مقاله:

Accumulation some essential heavy metals in Allium and Scallion plants cultivated in Markazi province/Iran

محل انتشار:

کنفرانس بین المللی پژوهش های نوین در علوم کشاورزی و محیط زیست (سال: 1394)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Allium ampeloprasum and Allium wakegi is a members of the onion genus Allium that commonly used in human diet. Absorbing heavy metal from soil by root bulb can accumulate these metal in green leafy vegetables. Cr, Fe and Zn are essential components for biological activities that can enter to human body by using vegetables in diet. The aim of this research was determining essential heavy metal (Zn, Fe, Cr) in two genus of Allium family that most commonly used in Iranian dishes and comparing between them. Material & Method Green leafy vegetables gathered from agricultural sites of Markazi province. After washing leaves, they keep in container and transfer to laboratory. samples dried in oven 60° and digested by acids, then by using Coupled Plasma Optical Emission Spectrometry the amount of heavy metals were measured. Results analyzed by SPSS22

کلمات کلیدی:

Allium species, heavy metal, vegetables, human diet

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