



COMPARATIVE STUDY OF SOME ESSENTIAL ELEMENTS IN DIFFERENT TYPES OF VEGETABLES AND FRUITS

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Abstract

Some industry activities in the area of Constanta (Romania) contribute to the polluting of the environment with heavy metals. In order to estimate the pollution level and the danger created by this phenomenon, some analyses are required with regard to determining the concentration of the pollutant metals in plants samples. The investigated metals were determined by flame atomic absorption spectrometry in different types of vegetables and fruits, after the chemical mineralization of the sample with a Digesdahl device. These levels were compared with those from literature.

Key words: metals Fe, Mn, Cd, Zn, Cu, FAAS, pollutants vegetables, fruits

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