



## Studies towards the determination of the contamination level with heavy metals of a situ located in Iași

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The paper presents studies in order to determine the degree of contamination of a situ located in Iași whose surface is about. 4 ha.

There are presented the pedological characteristics of the soil and outcome of the tests carried out towards Cd and Zn content in soil from depths of 5 cm, respectively, 30 cm. The analysis of the soil samples in terms of Cd and Zn content was done using atomic absorption spectrometry method. Taking as a basis for the classification of pollution (contamination) Order 756/1997, it was possible to identify the level of contamination of each sole that the area have been divided in.

Measurements revealed that for both contaminants Cd and also Zn at depth of 5 cm, the largest area is occupied by a significantly polluted land and at a depth of 30 cm, a significant potential polluted land predominates. The results also highlight the need for undertaking of some the depollution measures in the investigated site because as follows from the work, it is often exceeded the intervention level on land whose use is less sensitive.