

**PRELIMINARY DATA CONCERNING THE CONTENTS OF HEAVY METALS
FROM THE SOILS OF THE PERIURBAN AREA OF IAȘI MUNICIPALITY**

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Abstract

The study of the heavy metal contents in the soils of the suburban area of Iași municipality is required due to the necessity of estimating the possible hazard that they can have over health. So far, in Iași municipality, such studies had a punctual character, aiming mostly towards the neighborhoods of some industrial objectives. In order to establish the quantities of heavy metals in soils and the qualitative description of the soils there have been sampled 582 of systematic analysis, determining the contents of Zn, Cu, Mn, Pb, Cd, Co, Ni and Cr. The pollution index (PI) and integrated pollution index (IPI) indicates a reduced anthropogeneous influence. Despite this, the high heavy metal contents levels (Cu, Ni, Pb, Zn), surpassing the normal values in soils, suggests the existence of some local sources, generating pollution.

Keywords: Iași, heavy metals, soil, pollution index

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