



**RESEARCHES CONCERNING THE POLLUTION
EFFECT AND THE ECOLOGICAL
RECONSTRUCTION OF POLLUTED
SOILS FROM ZLATNA AREA**

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Abstract

Due to pollution caused by emission from the Ampellum S.A. Zlatna, the soil becomes acid; the pH get down to 4-5; bases saturation degree and humus become 0.5-3%. The structure of soil is dilapidated. Free aluminum increases to 200 mg/100 g soil and the soils erosion is accelerated. Lead, zinc cooper and other heavy metals accumulated in the soil in for greater quantities than the accepted limits. Reconstruction soil liming with CaCO₃ and organic fertilization with farmyard manure had a good effect upon soil physical, chemical and biological properties, along with the highest yield.

Keywords: pollution, soil reconstruction

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