



**DETERMINATION OF SOME ORGANOCHLORINE
PESTICIDES AND HEAVY METALS FROM
*Capsicum annuum L.***

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Abstract

Vegetables constitute an important part of the human diet since they contain carbohydrates, proteins, vitamins, minerals and trace elements. Vegetables grown at contaminated sites could take up and accumulate metals at concentrations that are toxic. Heavy metals are known to pose a variety of health risks such as cancer or mutations. The objective of this study was to analyze quantitatively the distribution of heavy metal and the organochlorine pesticides in *Capsicum annuum L* (pepper) grown in two different places, one indoors with no pollutants using soil from Babadag forest far from the city and second place is an urban garden from Constantza city expose to the city pollution. Metals were detected at mg/Kg levels and OCPs at ng/kg levels.

Keywords: heavy metals, FAAS, OCPs, GC-ECD, pepper

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