

Title Determination of mineral contents of wild-grown edible mushrooms
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Abstract

The aim of this study was to determine the mineral contents of wild edible mushrooms. The phosphorus (P), iron (Fe), calcium (Ca), zinc (Zn), magnesium (Mg), potassium (K), sodium (Na), copper (Cu) and manganese (Mn) contents of thirty wild-grown common edible mushrooms, collected from Erzurum province, Turkey, were analyzed. The minimum and maximum macronutrient contents of mushrooms were determined as mg/g dw for Mg (0.90-4.54), Ca (0.17-8.80), K (12.6-29.1), Na (0.03-4.85) and P (0.64-4.49), while minimum and maximum micronutrient contents of mushrooms were determined as mg/kg dw for Zn (26.7-185), Fe (50.1-842), Cu (9.23-107) and Mn (5.54-135). The potassium content was found to be higher than those of the other minerals in all the mushrooms. The K, P and Cu concentrations were determined to be highest in *Suillus granulatus*.