

**Title** Heavy metals in some edible mushrooms from the Central Anatolia, Turkey  
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#### **Abstract**

Eight trace elements (Pb, Cd, Zn, Fe, Mn, Cu, Cr and Ni) in 15 different wild-growing edible mushroom species collected from Eskişehir, Turkey were determined. The highest Pb, Fe, Mn and Cu concentrations were 11.72, 11460, 480 and 144.2 mg/kg (dry weight basis), respectively. All of these highest metal concentrations were determined in *Lepista nuda*. Cadmium and chromium were determined at the highest concentrations in *Gymnopus dryophilus*, 3.24 and 73.8 mg/kg, respectively. The highest zinc and nickel content were observed in *Tricholoma equestre* and *Coprinus comatus* as 173.8 and 58.60 mg/kg dry matter, respectively. Mushrooms species determined as important metal accumulators were *L. nuda*, *G. dryophilus*, *T. equestre* and *C. comatus*, in this study. Heavy metal contents of all analysed mushrooms were generally higher than previously reported in the literature.