



The level of selenium and some other trace elements in Mediterranean Spanish soils

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Elemental analysis of different calcareous Mediterranean soils in Eastern of Spain was carried out to measure the level of many trace elements (Se, Cd, Pb, Co, Cu, Zn, Ni, Fe and Mn) using microwave assisted acid digestion method and ICP technical analysis. The accuracy of the measurements has been evaluated by determination of a soil reference material. The preliminary results show that in these soils the selenium concentration is similar than in other countries except in soils of the periphery from urban and industrial areas. Beside this, trace metal concentrations were related with clay and organic matter contents of soils