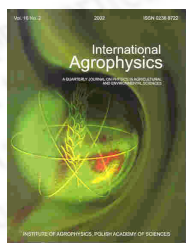




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Investigation of iron status in Terric Histosols

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Matyka-Sarzyńska D., Sokołowska Z.

Institute of Agrophysics, Polish Academy of Sciences, Doświadczalna 4, P.O. Box 201, 20-290 Lublin 27, Poland

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abstract The iron status in 14 differently transformed muck formations (Terric Histosols) was studied. The Moessbauer spectra showed that most of the iron in all the samples was trivalent. An attempt to find the relationship between the iron content and the state of the soil transformation was performed. The w/w percentage of the total iron as well as the (alkaline extractable) organic iron increased with the increase of the ratio of humic to fulvic acids.

keywords iron, mucks, humic and fulvic acids ratio