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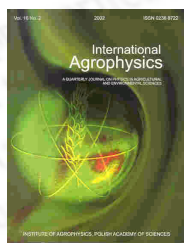
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Soil dehydrogenase activity in the presence of chromium (III) and (VI)

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abstract The paper presents the influence of chromium forms (III) and (VI) on the soil dehydrogenase activity. Enzyme activities can be considered effective indicators of soil quality changes resulting from environmental stress or management practices. It was found that chromium compounds have detrimental effects on soil dehydrogenase activity. After the addition of chromium, a rapid and significant decrease in enzymatic activities was observed.

keywords dehydrogenase activity, chromium, microorganisms, soil

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