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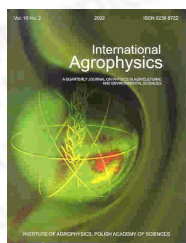
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Effect of oscillating magnetic field pulses on the survival of selected microorganisms

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abstract The aim of this paper was to study the influence of oscillating magnetic field pulses on the survival of certain selected pathogenic microorganisms of potatoes. The less resistant of the tested microorganisms proved to be the *Ervinia carotovora* and *Streptomyces scabies* bacteria. The tested fungus *Alternaria solani* proved to be the most resistant. When treating bacteria, it was found that their number was reduced by over 3 orders of magnitude, and when treating fungi their number was reduced by not even 2 orders of magnitude. The application of oscillating magnetic field pulses might be used in disinfecting agricultural products and food.

keywords oscillating magnetic field, antimicrobial effects