



Controlul biologic al bacteriilor patogene care ataca plantele de cultura

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In order to obtain microbial antagonists ten bacteria strains have been isolated. The strains isolation were made from nature: from cereals, medicinal plants, weeds, etc. There were selected, four strains of *Bacillus subtilis*, which had a strong antagonistic effect on the pathogenic bacteria (50-80%) after the tests made on vine and vegetables. The strains having a high rate of sporulation, as spore has the capacity of releasing antibacterial lipoprotein substances with antibiotic function. The effect of the microbial antagonists has been studied in the laboratory against some strains of *Erwinia carotovora*, *Xanthomonas campestris*, *Xanthomonas phaseoli*, *Agrobacterium tumefaciens*, etc. Antagonists obtained from microbial cultures of *Bacillus subtilis* have important advantage of having also the role as biostimulators on the plants, comparatively to the controls.