Characteristics of Bacterial Strains Inhabiting the Wood of Coniferous Trees

JULITTA GAJEWSKA¹, ANITA MISZCZYK¹ and ZDZISŁAW MARKIEWICZ²

¹ Department of Agricultural Microbiology, Warsaw Agricultural University, Nowoursynowska St. 166, 02-787 Warsaw, Poland,
² Department of Bacterial Physiology, Institute of Microbiology, Warsaw University, Miecznikowa 1, 02-096 Warsaw, Poland

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Abstract

The presented studies embraced samples of wood chips from coniferous trees which contained layers of duramen, alburnum and bark. Microbiological analysis involved qualitative and quantitative determination of bacterial flora inhabiting the studied wood material. The wood chips were found to contain primarily species belonging to the genera Bacillus and Pseudomonas. The presence of the potentially pathogenic species Bacillus cereus ¹, Sphingomonas paucimobilis, Aeromonas salmonicida and Chryseomonas luteola was also demonstrated.

Key words: wood chips, Sphingomonas, Aeromonas, Chryseomonas, Bacillus cereus