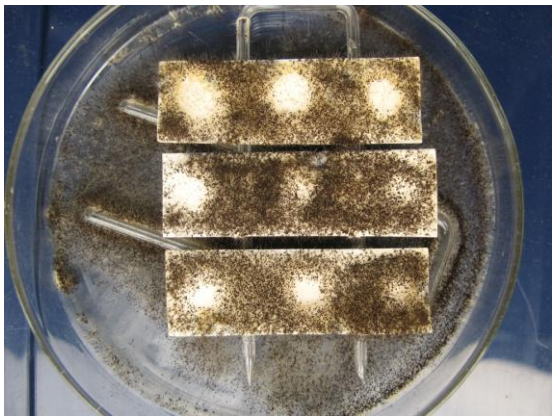
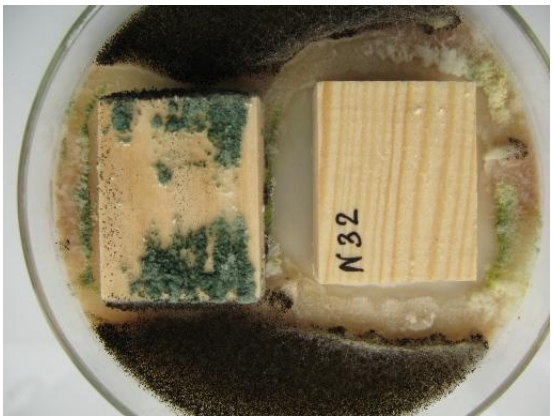
Fungistatic activity of alkaloids





Reduction of microfungi growth rate on wood surface is of great importance for wood buildings and other types of woodwork industry. There is a need for investigation for new, ecofriendly fungicides and other active ingredients for wood preservatives. One of an interesting ways of approaching this problem is the searching biologically active substances through the extraction of natural raw materials. The aim of the project was utilisation of alkaloids as a potential fungicide, derived from lupin. The bioautography method was used in the experiments. This method is particularly useful in screening tests where only a small amount of a given compound is available. The following fungi species were used in the experiment: *Aspergillus niger* van Tieghem, *Penicillium cyclopium* Westling, *Penicillium funiculosum* Thom, *Paeciliomyces varioti* Bainer, *Trichoderma viride* Pers. ex. S.F. Gray aggr. Results allowed to determine the leading compounds, which the derivatives can be a potential component of a new pesticide.

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