

## WASTEWATER PURIFICATION BY AN ORGANIC SOIL AND GRASS-MIXTURE

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**Abstract.** The paper presents results of a study concerning ammonium and nitrate(V) fixation by soil irrigated with municipal wastewaters (1 – 60 mm and 2 doses – 120 mm) and estimation of the possibility of using organic soil and grass-mixture for the wastewater treatment. It was found that the studied soil and the plant applied showed a very high capacity of binding ammonium ions (up to 96%), and lower in the case of nitrates(V) (up to 71%). It was also demonstrated that the single irrigation dose was better utilized compared to the double dose