



## Studiu privind biodegradabilitatea produselor petroliere folosind unele tulpini Microbiene

COCUȚ Dana-Camelia, DIACONU Mariana, COJOCARU C., MACOVEANU M. - Universitatea Tehnică "Gh. Asachi" Iași

The authors studied the possibility of decontamination of some soils polluted with petroleum products so as to obtain performante strains, which shall be applied in a final phase, in an experimental field through bioaugmentation method. The paper analyzes the capacity of biodegradation of diesel fuel by some microbial strains isolated and purified from a soil contaminated with petroleum products. These strains have been internal cultivated, on liquid medium with synthetic formula, with diesel fuel as unique carbon source. The biodegradation potential of petroleum products by selected microorganisms was established, and superior strains were identified.