

BIODEGRADATION OF METHYL ISOBUTYL KETONE (MIBK) BY *FUSARIUM*
SOLANI

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Abstract: Fungus *Fusarium solani* able to degrade methyl isobutyl ketone was isolated from the bed of biofilter cleaning exhausting gases from the cable plant “Załom” near Szczecin. This substance was used as the only source of carbon and energy. Confirmation and kinetic tests were performed in 25 cm³ scrubbers filed with mineral medium which was inoculated with the fungus. *Fusarium solani* degraded MIBK at the rate up to 60 g·m⁻³·h⁻¹ and pollution loading up to 200 g·m⁻³·h⁻¹. Degree of elimination ranged from 40 to 80% and decreased when culture pollution loading increased.