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LASER STIMULATION OF *Trichophyton mentagrophytes* FOR THE ENHANCEMENT BIODEGRADATION OF HYDROCARBONS

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Abstract

The rate of biodegradation of total petrol hydrocarbons, aliphatic hydrocarbons, oil, petrol and in particular aromatic hydrocarbons was enhanced as a result of stimulation with coherent light of the inoculum of dermatophyte *Trichophyton mentagrophytes* var. *granulosum* selected from the sample of soil contaminated for a long time with petrol pollutants. Especially effective was biodegradation of the hydrocarbons after short time photostimulation of the fungi inoculum with laser emitting red light.

Key words: biodegradation, laser biostimulation, petrol hydrocarbons

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