

Institute of Chemical Engineering

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Designing of cometabolic microbial degradation of 1,4-dioxane: literature studies and experiments

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Abstract: Major methods of 1,4-dioxane degradation were described and different bacterial strains using that xenobiotic as a source of carbon and energy were presented. Microbial growth tests during 1,4-dioxane degradation in metabolic and cometabolic processes were conducted. The tests of the inducibility of monooxygenase, the main enzyme of 1,4-dioxane biodegradation pathway, were also provided.

Attachments:

[Zeszyt-23-2019](#) pdf, 2.84 MB

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