

Institute of Chemical Engineering

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The influence of biofilm detachment model on steady-state properties of a three-phase fluidized-bed bioreactor

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Abstrakt: Steady-state characteristics of a three-phase fluidized-bed bioreactor was determined with the use of three biofilm detachment models. Simulations were carried out for two chosen microbiological processes. It was shown that depending on the accepted quantitative description of biofilm detachment, quantitative or qualitative differences occur in the steady-state characteristics of the bioreactor.

Attachments:

[Zeszyt 22 \(2018\)](#) pdf, 4.49 MB

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