

Institute of Chemical Engineering

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Modelling of the process of air purification from volatile organic compounds; the one-substrate models

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Tags:	removal of vinyl acetate , trickle-bed bioreactor , modelling

Abstract: The effectiveness of the air bio-purification process from vinyl acetate carried out in a pilot-scale trickle-bed bioreactor (TBB) was investigated in a continuous system for about 115 days. The experimental database, obtained for a wide range of changes in process parameters, was exploited to validate the two one-substrate models. Both proposed models approximated experimental data with a satisfactory accuracy.

Attachments:

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