

Institute of Chemical Engineering

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Improvement of VOCS biofiltration in bioreactors containing partitioning phase with hydrophobic properties

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Authors:	Rafał Sarzyński , Hanna Kolarszyk , Joanna Kaleta
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Abstract: Biofiltration of airstream contaminated by hydrophilic Volatile Organic Compounds (VOC) proceeds in a higher yield than for hydrophobic VOC. Improvement of the process for hydrophobic VOC is possible by addition a hydrophobic phase to bioreactor. Use of the hydrophobic phase in trickle bed bioreactors enable increased conversion degree of hydrophobic pollutant.

Attachments:

[Zeszyt-18-2014](#) pdf, 6.25 MB

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