

Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/improvement-of-vocs-biofiltration-in-bioreactors-containing-partitioning-phase-with-hydrophobic-properties>

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

Publication date:	30.12.2014
Publication title:	Improvement of VOCS biofiltration in bioreactors containing partitioning phase with hydrophobic properties
Authors:	Rafał Sarzyński , Hanna Kolarczyk , Joanna Kaleta
Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	biofiltration , vilatile organic compounds , hydrophobic partitioning phase

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

Created at:	04.08.2025
Published by:	Artur Wojdyła
Published at:	04.08.2025 12:47
Number of downloads:	84

Tagi: biofiltration, vilatile organic compounds, hydrophobic partitioning phase

Metryczka

Published by:	Artur Wojdyła
Published at:	18.09.2025 13:57
Number of views:	70