

# Institute of Chemical Engineering

Adres artykułu: <https://iich.gliwice.pl/en/article/kinetics-of-acetic-acid-methanol-esterification-reaction-over-sulfonic-acid-functionalized-mcf-catalyst>

## Kinetics of acetic acid - methanol esterification reaction over sulfonic acid-functionalized mcf catalyst

<b>Publication date:</b>	30.12.2013
<b>Publication title:</b>	<a href="#">Kinetics of acetic acid - methanol esterification reaction over sulfonic acid-functionalized mcf catalyst</a>
<b>Authors:</b>	<a href="#">Klaudia Odrozek</a> , <a href="#">Katarzyna Maresz</a> , <a href="#">Agnieszka Koreniuk</a> , <a href="#">Julita Mrowiec-Białoń</a> , <a href="#">Janusz Malinowski</a> , <a href="#">Andrzej B. Jarzębski</a>
<b>Journal information:</b>	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk

**Abstract:** The esterification of acetic acid with methanol was studied in the presence of heterogeneous acidic catalyst - sulfonic acid functionalized silica mesoporous cellular foam (MCF) in order to determine its potentials. The effects of catalyst loading, molar ratio of substrates and temperature on the reaction rate were discussed. The kinetic model for this reaction was proposed.

## Attachments:

[Zeszyt-17-2013](#) pdf, 6.23 MB

<b>Created at:</b>	04.08.2025
<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	04.08.2025 11:44
<b>Number of downloads:</b>	37

## Metryczka

<b>Published by:</b>	Artur Wojdyła
<b>Published at:</b>	18.09.2025 14:55
<b>Number of views:</b>	23