

Institute of Chemical Engineering

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What are the effects of nickel oxide nanoparticles on the *Stenotrophomonas maltophilia* KB2 growth in the presence of phenol?

Publication date:	30.12.2021
Publication title:	What are the effects of nickel oxide nanoparticles on the <i>Stenotrophomonas maltophilia</i> KB2 growth in the presence of phenol?
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Journal information:	Prace Naukowe Instytutu Inżynierii Chemicznej Polskiej Akademii Nauk
Tags:	phenol , biodegradation , nickel oxide nanoparticles

Abstract: The introduction of nickel oxide nanoparticles into the *St. maltophilia* KB2 cultures did not inhibit the phenol biodegradation process, and the reactions of the bacterial population were depended on the nanoparticles concentrations and the surfactant used. The methodology for the preparation of the tested nanoparticles stable dispersion was developed and the influence of selected surfactants on the growth of *St. maltophilia* KB2 cells was assessed.

Attachments:

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Published at:	05.08.2025 12:16
Number of downloads:	177

Tagi: phenol, biodegradation, nickel oxide nanoparticles

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Published by:	Artur Wojdyła
Published at:	06.08.2025 08:39
Number of views:	166