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

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Authors:	Elżbieta Sołtys, Bożena Janus, Anna Szczotka, Hanna Kolarczyk, Agnieszka Gąszczak, Elżbieta Szczyrba
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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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