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The invention relates to nanobiotechnology, in particular to a method for assessing the toxicity of nanoparticles to algae and can be used as component part of the systems for monitoring the environment quality and safety of nanoparticle utilization and synthesis technological processes.

The method, according to the invention, comprises the cultivation of red microalga *Porphyridium cruentum* for 6 hours on a nutrient medium with addition in an hour after microalga inoculation of nanoparticles in different concentrations, afterwards in the alga biomass is determined the content of malonic dialdehyde, at the same time are considered toxic the concentrations of nanoparticles that cause the enhancement of malonic dialde-hyde content in the biomass.

Claims: 1