

Biocidal properties study of silver nanoparticles used for application in green housing

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New methodology for the antifungal testing of surfactant-free silver metal nanoparticles for applications in green housing

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A novel approach for synthesizing silver nanoparticles with antibacterial and cytotoxic activities using the leaf extract of hydroponically grown Moringa oleifera

Aghajanyan, Anush; Timotina, Marina; Manutsyan, Tatevik; Harutyunyan, Ani; Ginovyan, Mikayel; Schubert, Robin; **Aydinyan, Sofiya;** Trchounian, Karen; Gabrielyan, Lilit; Gabrielyan, Liana Scientific Reports 2025 / art. 16637 <https://doi.org/10.1038/s41598-025-01023-0>

Profiling of the toxicity mechanisms of coated and uncoated silver nanoparticles to yeast Saccharomyces cerevisiae BY4741 using a set of its 9 single-gene deletion mutants defective in oxidative stress response, cell wall or membrane integrity and endocytosis

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