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A mini review on fungal based synthesis of silver nanoparticles and their antimicrobial activity

MohanaSriramuluand ShanmugamSumathi*

Department of Chemistry, School of advanced sciences, VIT University, Vellore-632014, India

Abstract:new green chemistry approach for the synthesis of silver nanoparticles based on myconanotechnology has been identified as one of the novel field of study in nanotechnology. Researchers have re-explored the fungi including yeast and filamentous fungi as eco-friendly, cost effective source for the synthesis of nanoparticles. The advantage and most notable benefits of applying fungi in nanoscience is resistance to many harsh conditions and secretion of extracellular reductive protein makes the downstream process easier. This review focuses on general introduction of fungi, synthesis of silver nanoparticles its physico-chemical characterization and its antimicrobial activity.

Key words: Silver nanoparticles, Fungi, Biosynthesis, Antimicrobial activity, Eco-friendly.

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