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Bio-synthesis of antimicrobial silver nano-particles using plant pathogenic fungi *Aspergillus flavus*, *Fusarium oxysporum* and *Rhizopus* spp.

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Biosynthesis of silver nanoparticles via plant pathogenic Fungi names like *Aspergillus flavus*, *Rhizopus spp.* and *Fusarium oxysporum* were warned for latent synthesis of metal nanoparticles was examined. The hasty refuse of silver (Ag+) ions was scrutinized with UV-visible spectrophotometer and illustrated formation of silver nanoparticles within 30 minutes. Transmission electron microscopy (TEM) confirmed that the amalgamated silver nanoparticles are diversified from 13-55 nm and have the altering in shape like round, rod, uneven. Auxiliary the XRD examinations confirms the nano-crystalline period of silver structure. An FTIR examination confirms the Silver particles. The current cram, it divulges the escalating broth deliberation increases the rate of reduction and decreases the particle size. Subsequent to size, shape conformation and characterization of silver Nanoparticles, the antimicrobial activity have been detected and minimum inhibition conformed adjacent to phytopathogens.

Key words: Biosynthesis, AgNPs, UV, TEM. antimicrobial silver nanoparticles