

Supplementary Materials: Light-Emitting-Diode-Assisted, Fungal-Pigment-Mediated Biosynthesis of Silver Nanoparticles and Their Antibacterial Activity

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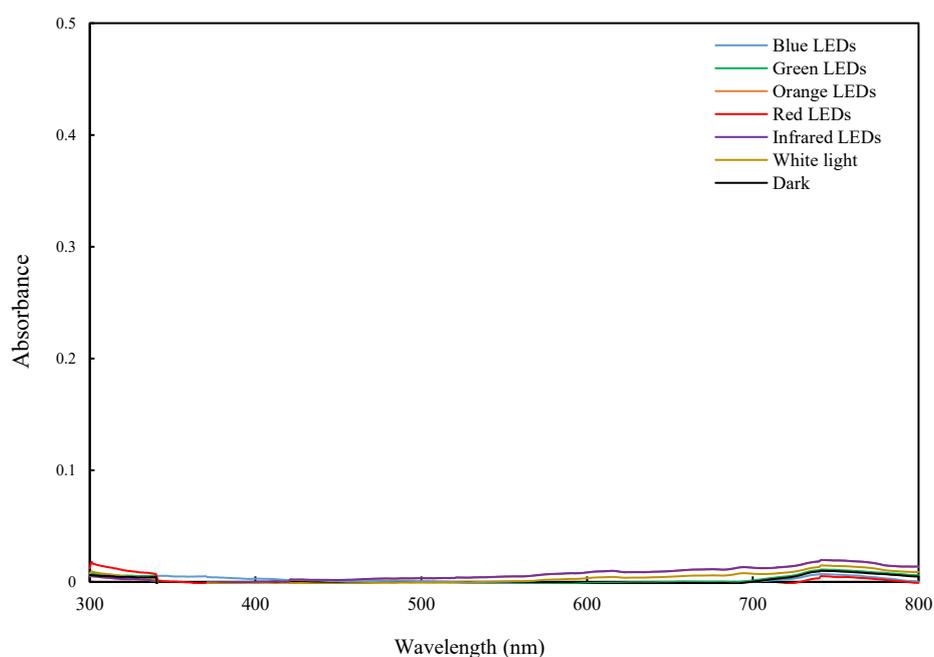


Figure S1. UV-vis spectrum of AgNO₃ in the absence of *T. purpurogenus* extracellular pigment exposed to different LEDs light at 24 h.

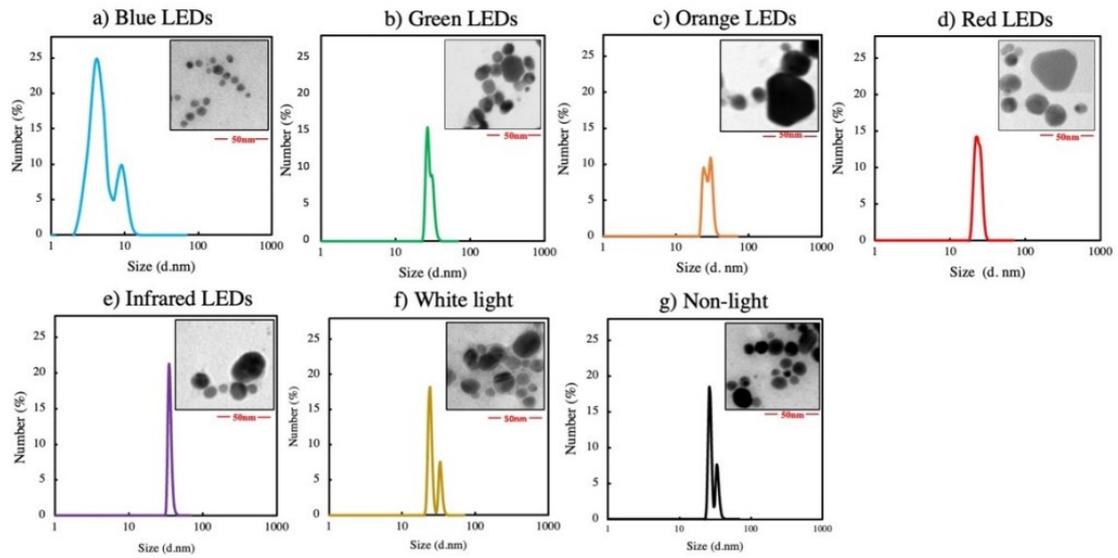
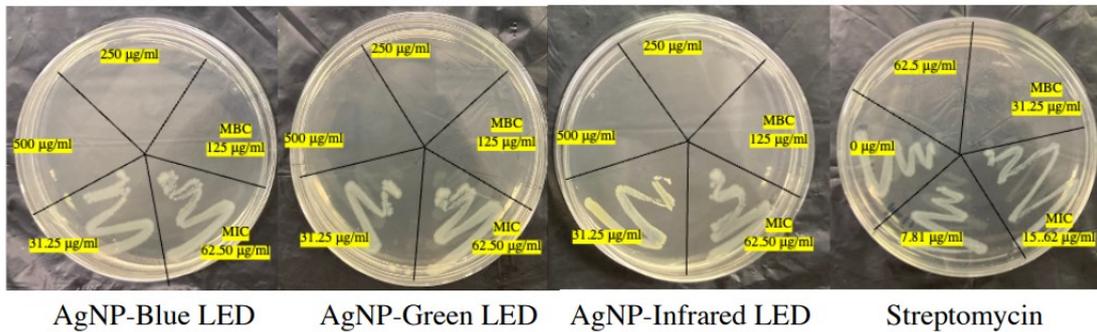


Figure S2. (a–g) Dynamic light scattering (DLS) and transmission electron microscopy (TEM) analysis of *T. purpurogenus* extracellular pigment-mediated AgNP biosynthesis by light exposure at different wavelengths for 24 h.

a) Antimicrobial Activity against of *S. aureus*



b) Antimicrobial Activity against of *E. coli*

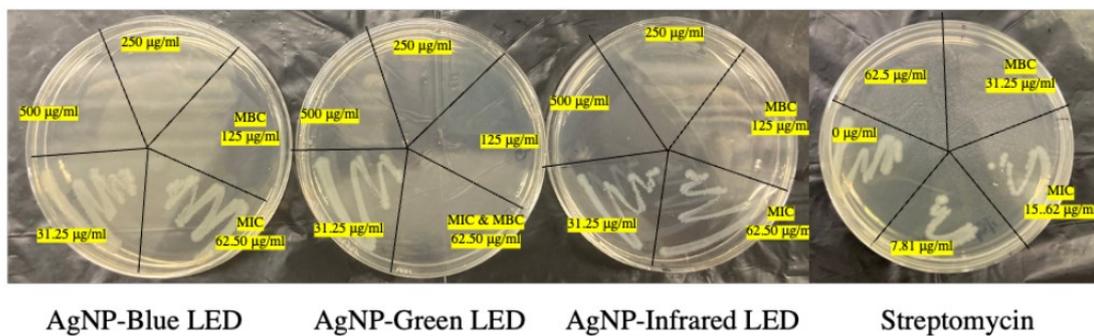
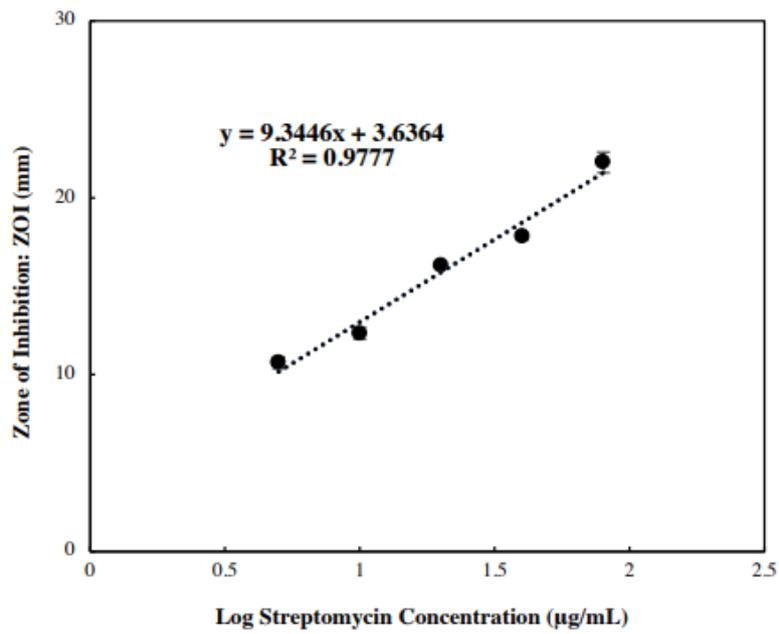


Figure S3. Minimum bactericidal concentration (MBC) of biosynthesized AgNPs and streptomycin against (a) *S. aureus* and (b) *E. coli*.

a) *E. coli*



b) *S. aureus*

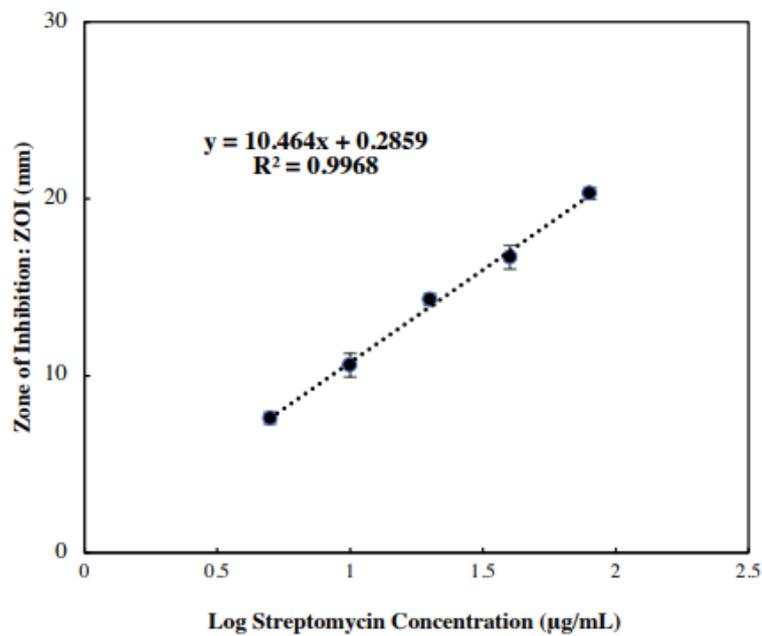


Figure S4. Correlation graph of logarithm streptomycin concentration and zone of inhibition against (a) *E. coli* and (b) *S. aureus*. Data are expressed as the means \pm SE (n = 3 replicates).