

Electronic Supplementary Information

Myco-synthesis of Multi-Twinned Silver Nanoparticles as Potential Antibacterial and Antimalarial Agents

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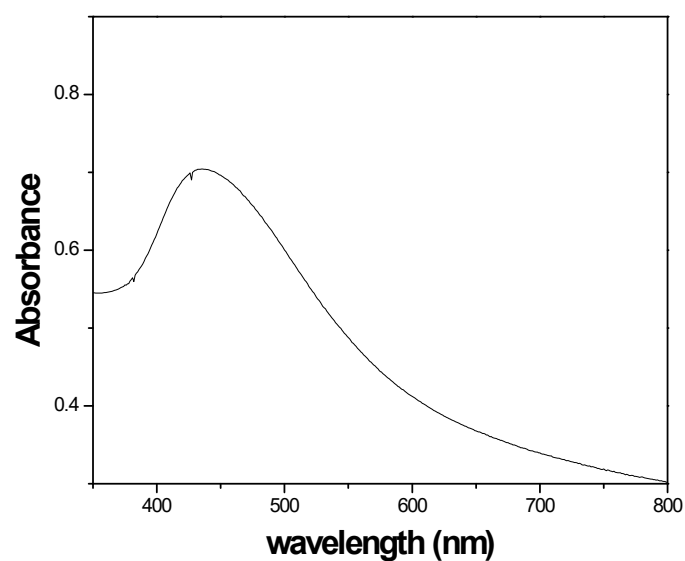


Fig. S1. UV-visible spectrum of the synthesized MT-AgNPs

Table 1: Comparative study of antibacterial activities synthesized from endophytic fungi

Materials	Name of the endophytic fungi	Sizes of the NPs	Dose	Strains	Zone of inhibition (mm)	Ref.
Tp-AgNPs	<i>Talaromyces purpureogenus</i>	<50 nm	75-100 $\mu\text{g/mL}$	<i>S. aureus</i> and <i>B.cereus</i> , <i>S. enterica</i> , <i>P.aeruginosa</i> , and <i>E.coli</i>	9 to 13	1
AgNPs	<i>Podosordaria muli</i> and <i>Xylaria feejeensis</i>	15 to 25nm	-	<i>Staphylococcus aureus</i> , <i>Micrococcus luteus</i> , <i>Salmonella Typhi</i> , <i>Enterobacter aerogenes</i> , <i>Serratia marcescens</i> <i>Escherichia coli</i> .	11 to 20	2
POAgNPs	<i>Penicillium</i>	15 to 19	50	<i>E. coli</i>	6.6	3

	<i>oxalicum</i>	nm	µg/mL			
AgNPs	<i>Alternaria sp.</i>	4 to 30 nm	5 µg/mL	<i>Bacillus subtilis</i> , <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> <i>Serratia marcescens</i>	9 6 26 24	4
AgNPs	<i>Aspergillus terreus</i> ,	16.54 nm	10-40 mg/mL	<i>Salmonella typhi</i> , <i>Staphylococcus aureus</i> <i>Escherichia coli</i>	15 to 16	5
MT-AgNPs (Present work)	<i>Colletotrichum gloeosporioides</i>	13.5 nm	10-100 µg/mL	<i>Bacillus subtilis</i> , <i>Pseudomonas aeruginosa</i> , <i>Escherichia coli</i> , <i>Klebsiella pneumoniae</i> and <i>Aeromonas salmonicida</i>	10 to 14	Present work

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