



Supplementary Figure S1: Antimicrobial activity (ZI) of *T. funiculosus* –AgNPs by agar well diffusion method: ***Pa***: *Pseudomonas aeruginosa*; ***Bs***: *Bacillus subtilis*; ***Ec***: *Escherichia coli*; ***Vc***: *Vibrio cholera*; ***Sa***: *Staphylococcus aureus*; ***MI***: *Micrococcus luteus*; ***Sf***: *Streptococcus faecalis*; ***Li***: *Listeria innocua*.

Supplementary Table-S1:

Test Microorganisms	% of inhibition \pm S.D. ($\mu\text{g/mL}$)											MIC IC ₅₀ ($\mu\text{g/mL}$)
	0 $\mu\text{g/mL}$	10 $\mu\text{g/mL}$	20 $\mu\text{g/mL}$	30 $\mu\text{g/mL}$	40 $\mu\text{g/mL}$	50 $\mu\text{g/mL}$	60 $\mu\text{g/mL}$	70 $\mu\text{g/mL}$	80 $\mu\text{g/mL}$	90 $\mu\text{g/mL}$	100 $\mu\text{g/mL}$	
<i>Staphylococcus aureus</i>	0.00	0.00	2.27 \pm 0.12	31.07 \pm 0.74	40.67 \pm 0.45	50.77 \pm 0.63	81.00 \pm 1.41	99.00 \pm 0.62	99.57 \pm 1.23	99.07 \pm 0.74	100.00 \pm 0.82	43.94 \pm 0.29
<i>Listeria innocua</i>	0.00	0.00	13.93 \pm 1.41	23.53 \pm 0.68	28.20 \pm 0.67	35.17 \pm 0.94	43.07 \pm 1.38	50.40 \pm 0.43	62.13 \pm 0.87	91.33 \pm 1.43	99.80 \pm 1.07	68.94 \pm 0.30
<i>Micrococcus luteus</i>	0.00	12.80 \pm 1.53	23.17 \pm 0.70	30.57 \pm 0.49	41.47 \pm 0.46	52.23 \pm 0.90	72.40 \pm 1.35	83.53 \pm 1.20	99.37 \pm 0.34	99.93 \pm 0.17	99.97 \pm 0.86	45.51 \pm 0.21
<i>Streptococcus faecalis</i>	0.00	0.00	0.00	21.90 \pm 1.42	35.27 \pm 1.31	45.70 \pm 0.29	63.17 \pm 1.39	72.57 \pm 1.77	90.63 \pm 0.29	99.07 \pm 0.74	100.00 \pm 0.82	52.54 \pm 0.16
<i>Vibrio cholerae</i>	0.00	0.00	2.73 \pm 0.46	4.13 \pm 0.17	7.73 \pm 0.96	17.50 \pm 1.80	41.67 \pm 1.03	50.97 \pm 0.76	81.70 \pm 2.09	99.00 \pm 0.62	99.57 \pm 1.23	63.69 \pm 0.25
<i>Escherichia coli</i>	0.00	3.40 \pm 0.08	6.40 \pm 0.16	15.50 \pm 0.22	40.67 \pm 0.45	50.77 \pm 0.63	81.00 \pm 1.41	99.00 \pm 0.62	99.57 \pm 1.23	100.00 \pm 0.62	100.00 \pm 0.71	43.94 \pm 0.29
<i>Pseudomonas aeruginosa</i>	0.00	20.27 \pm 0.31	43.33 \pm 2.21	50.77 \pm 0.63	82.67 \pm 1.70	99.00 \pm 0.62	99.57 \pm 1.23	100.00 \pm 0.00	100.00 \pm 0.00	-	-	21.68 \pm 0.72
<i>Bacillus subtilis</i>	0.00	0.00	15.50 \pm 0.22	41.13 \pm 1.46	50.77 \pm 0.63	81.17 \pm 1.40	99.23 \pm 0.86	100.00 \pm 0.59	-	-	-	33.60 \pm 0.61