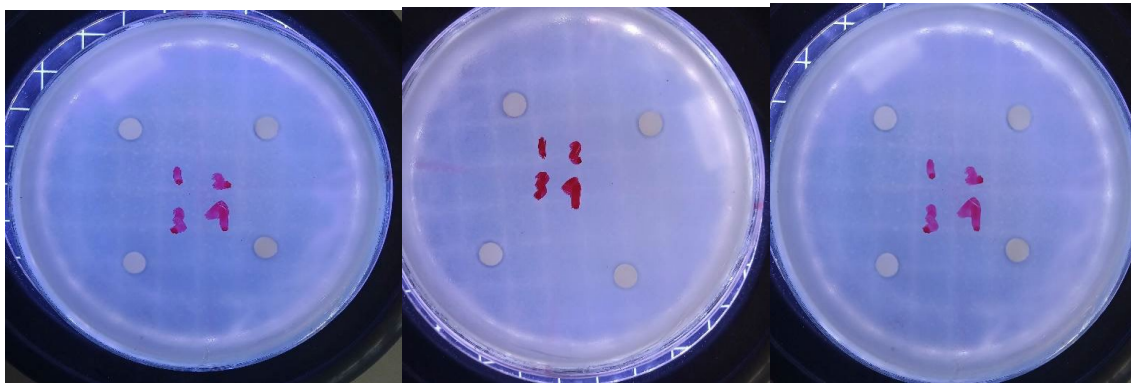


**Table S1.** Particle Size of AgNPs-MO at Different Concentrations

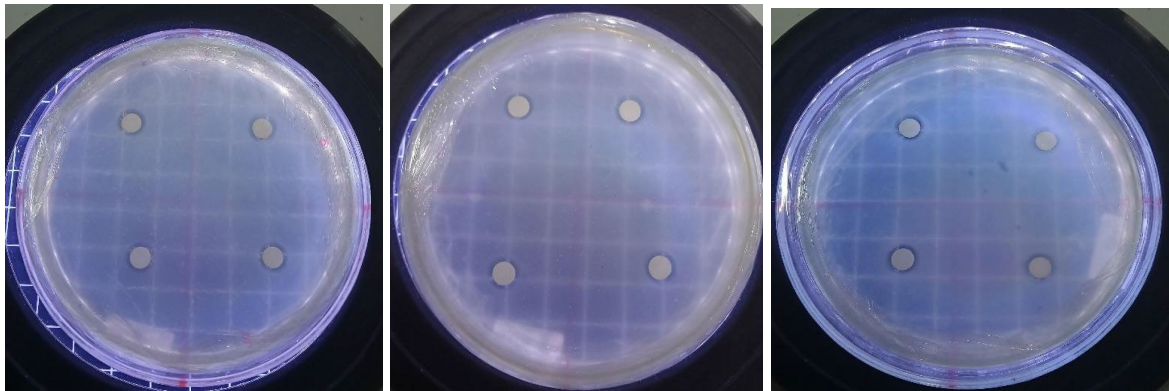
Concentration (mmol L)	Particle Size (nm)	Size Range (nm)
1	7.26	5-10
1.5	54.01	45-60
2	100.74	90-110

**Table S2.** Antibacterial Activity (Disc Diffusion Method)

Bacteria	Concentration (mmol L)	Inhibition Zone (mm) ± SD
<i>E. coli</i>	1	0.97 ± 0.05
<i>E. coli</i>	1.5	0.94 ± 0.03
<i>E. coli</i>	2	0.88 ± 0.04
<i>S. aureus</i>	1	1.93 ± 0.06
<i>S. aureus</i>	1.5	2.00 ± 0.05
<i>S. aureus</i>	2	2.03 ± 0.07

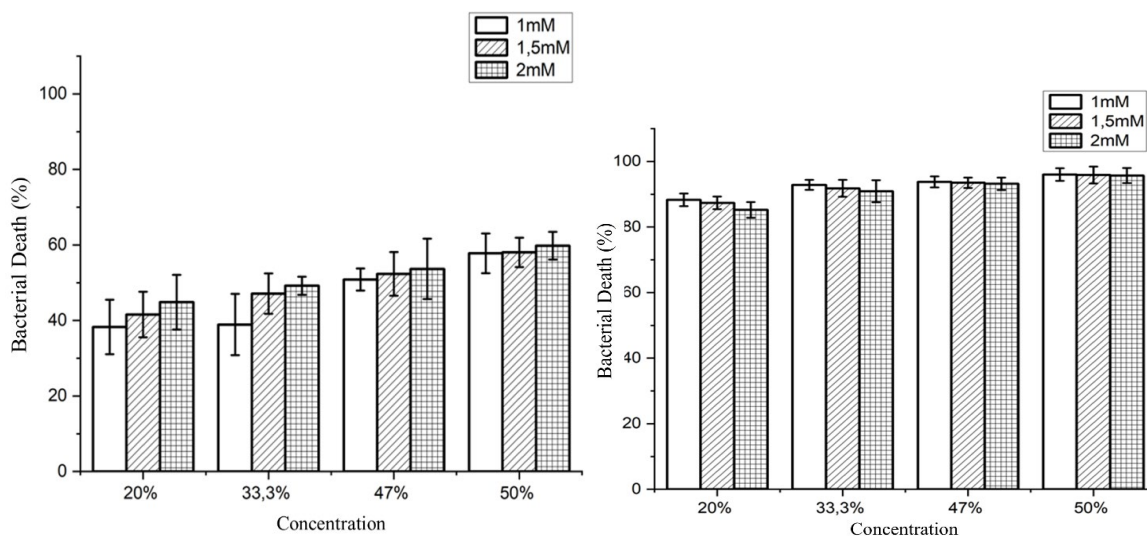


**Figure S1.** Antibacterial test results of AgNPs-MO using the disc diffusion method. (a) Inhibition zones against *E. coli*



(b)

Figure S2. Inhibition zones against *S. aureus*. The concentrations of AgNPs-MO tested are: (1)  $\text{mmol L}^{-1}$ ,  $\text{mmol L}^{-1.5}$ , and  $\text{mmol L}^{-2}$



(a)

(b)

Figure S3. Percentage reduction of (a) *E. coli* and (b) *S. aureus* bacteria at various concentrations of AgNPs-MO