

SUPPORTING INFORMATION FOR

A Size-Controlled Green Synthesis of Silver Nanoparticles by the Berry Extract of *Sea Buckthorn* and the Biological Activities

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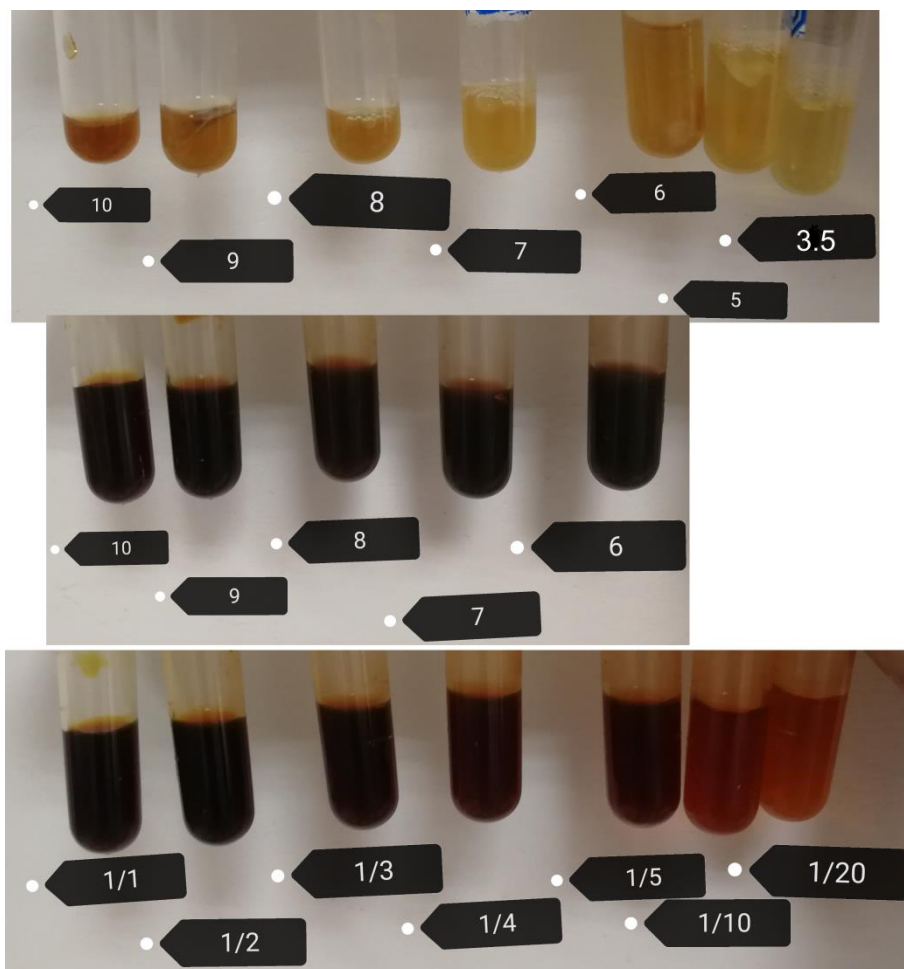


Figure S1 The photographs of (A) the SBT extract at different pH; (B) the mixture of SBT extract and AgNO₃ at different pH after 4 h reaction; (C) the mixture of SBT extract and AgNO₃ at different material proportion after 4 h reaction

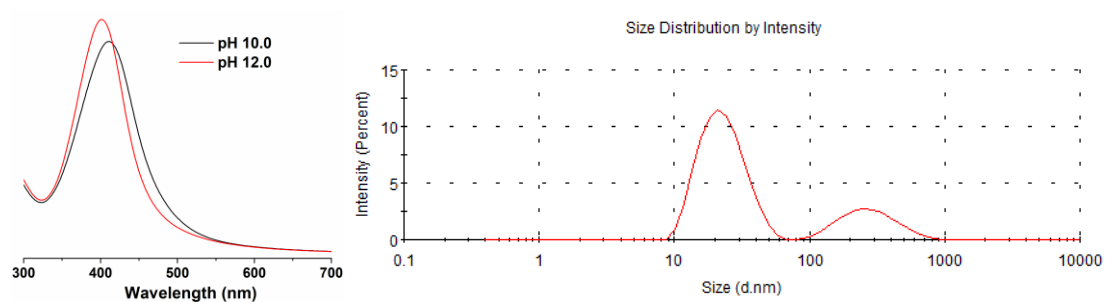


Figure S2 The UV (left) and size (right) of synthesized AgNPs at pH 12.0

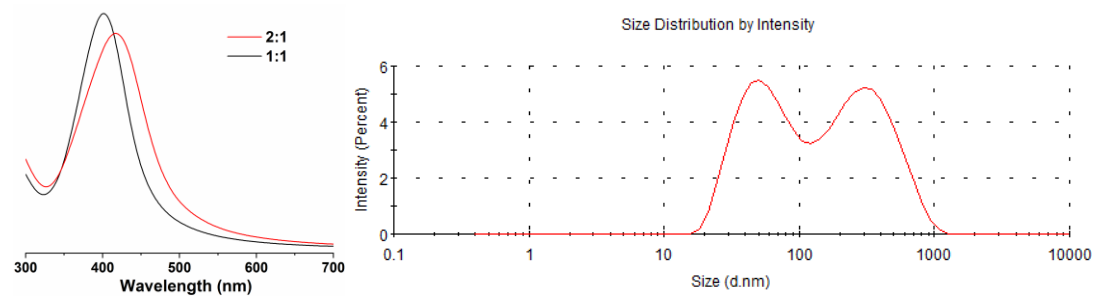


Figure S3 The UV (left) and size (right) of synthesized AgNPs at 2:1

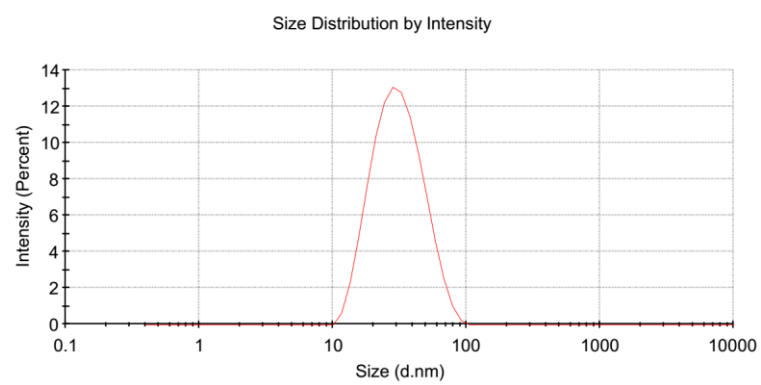


Figure S4 The size of synthesized AgNPs after 3 months

Table S1 The average size for synthesized AgNPs at different pH

pH	5.0	6.0	7.0	8.0	9.0	10.0
Size (nm)	666.3 ± 15.7	154.3 ± 1.2	148.5 ± 1.0	135.9 ± 0.9	80.4 ± 0.4	27.3 ± 0.2

Table S2 The average size for synthesized AgNPs at different material proportion

ratio	1:1	1:2	1:3	1:4	1:5	1:10	1:20
Size (nm)	27.3 ± 0.2	67.0 ± 0.1	82.8 ± 0.1	90.5 ± 0.6	100.9 ± 1.0	103.4 ± 0.9	106.6 ± 1.6

Table S3 The average size for synthesized AgNPs at different reaction times

times(h)	1	2	3	4
Size (nm)	36.4 ± 0.6	33.2 ± 0.2	29.0 ± 0.2	27.3 ± 0.2