

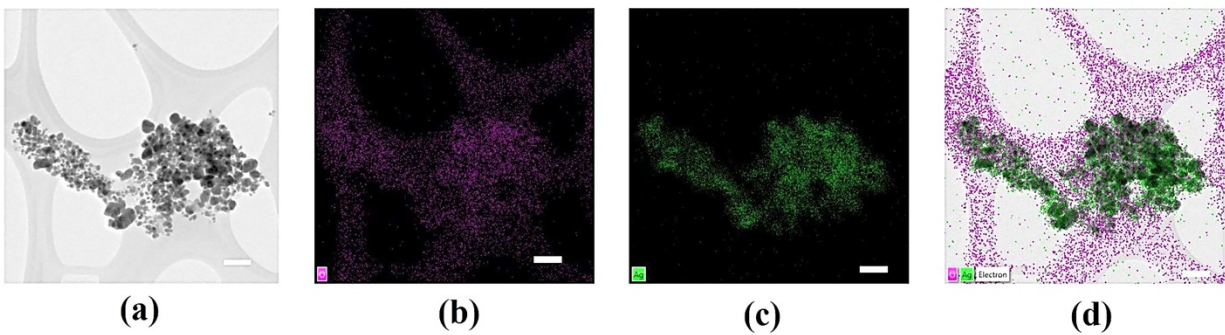
1 **Electronic supporting information**

2 **Effect of the physicochemical changes in the antimicrobial durability of the green**
3 **synthesized silver nanoparticles during their long-term storage**

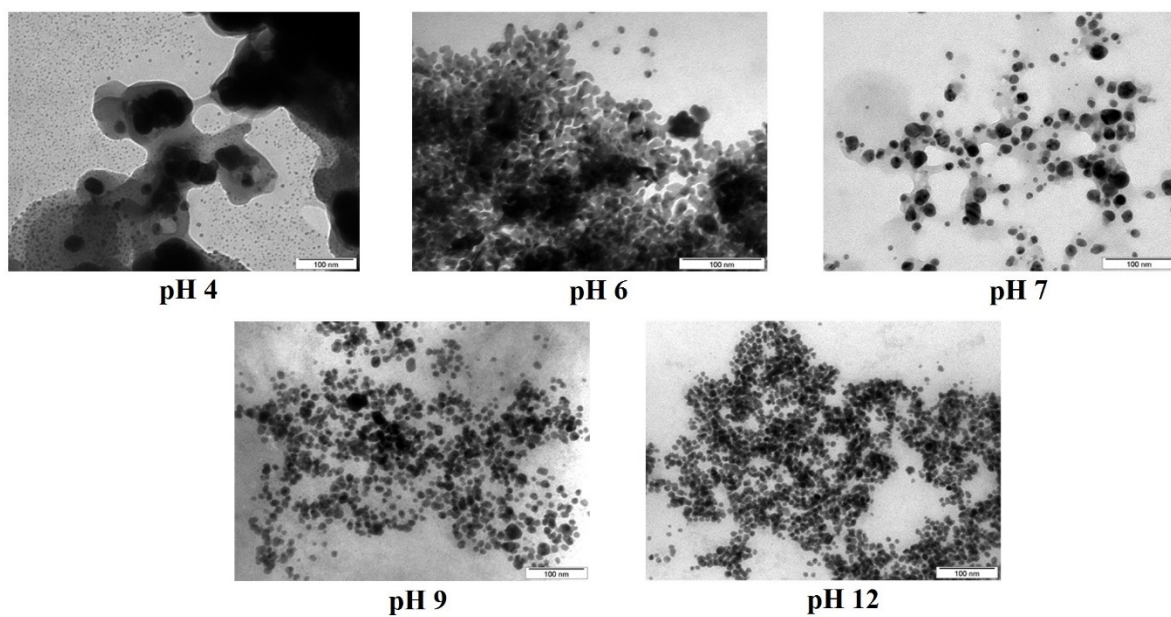
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6 **Technická 3, 166 28, Prague, Czech Republic.**

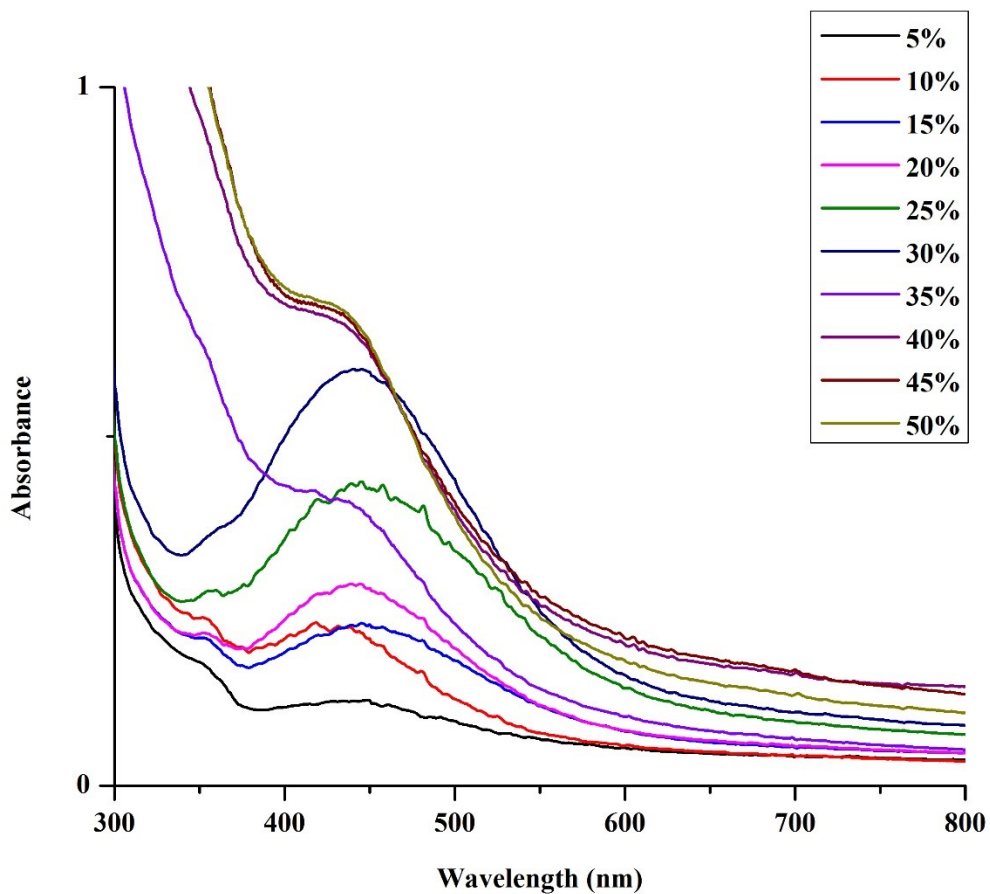
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9 Fig. S1 HR-TEM images (Scale bar 100 nm) of AgNPs stored under light for 15 days; (a) EM
 10 image, single element mapping of oxygen (b) and silver (c) corresponding to the EM image, (d)
 11 combined chemical mapping of EM image, oxygen, and silver.

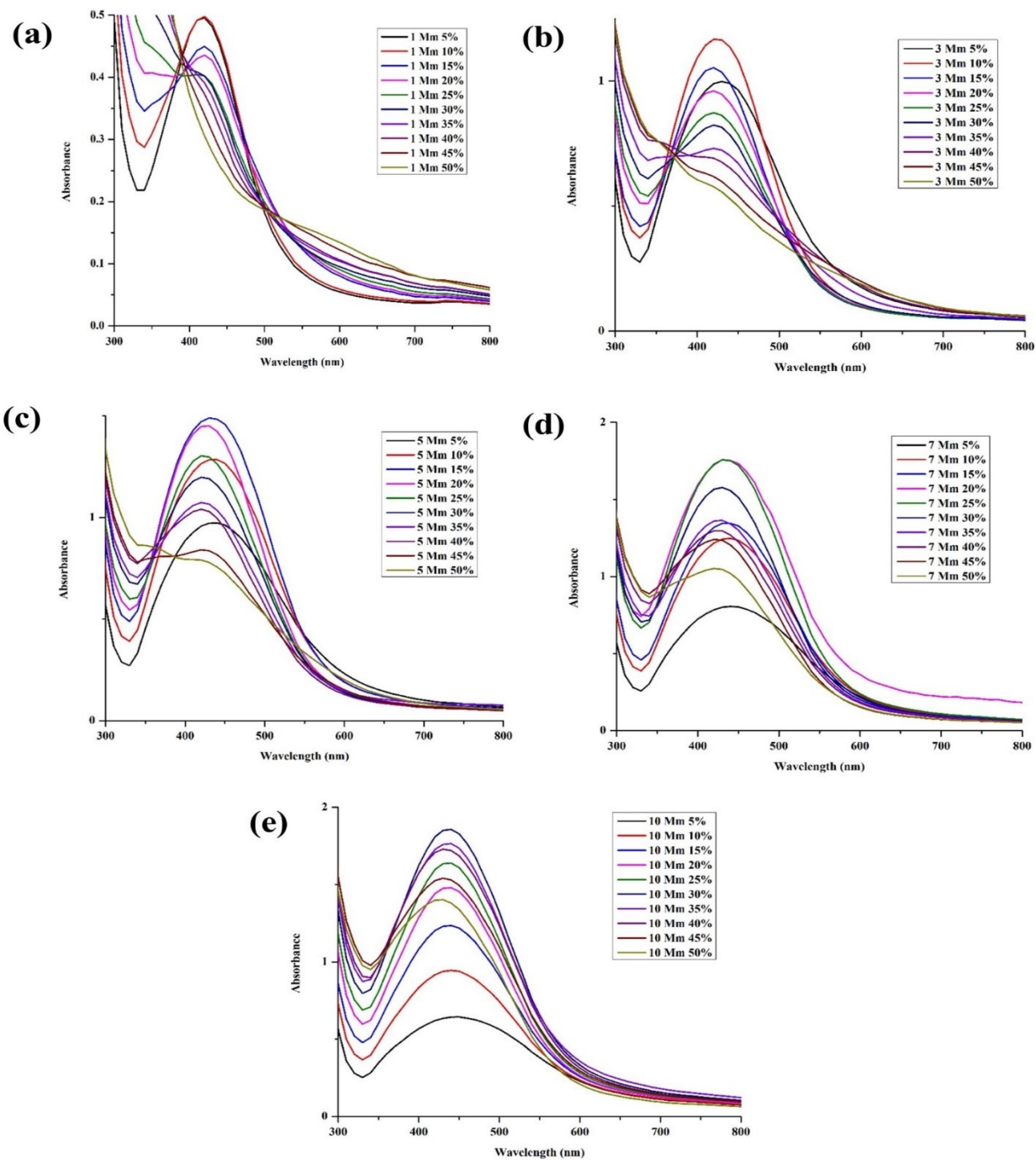


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 13 Fig. S2 TEM images (Scale bar 100 nm) of AgNPs synthesized at different pH values.



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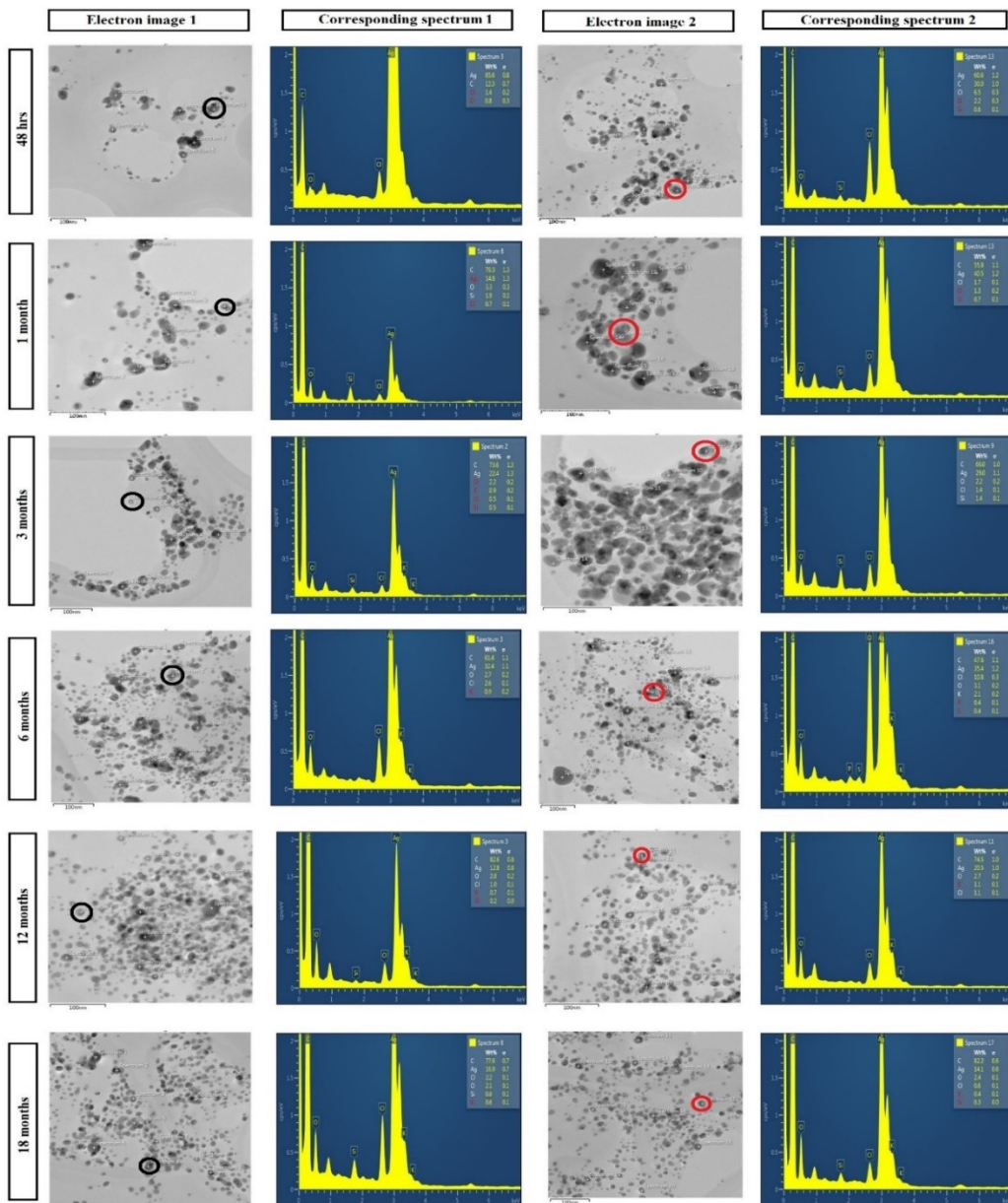
15 Fig. S3 Optimization of silver nanoparticles synthesis using *Saraca asoca* leaf extract, UV-Vis
 16 spectrum of AgNPs that illustrates the effect of different volumes ratios of *S. asoca* leaf extract
 17 (40 g/l) to 1mM AgNO₃ in the synthesis of AgNPs on the 4th day.



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19 Fig. S4 Optimization of silver nanoparticles synthesis using *Saraca asoca* leaf extract,

20 UV-Vis spectrum of AgNPs that illustrates the effect of different volumes ratios of *S. asoca* leaf
 21 extract (40 g/l) to (a) 1mM AgNO₃ (b) 3mM AgNO₃ (c) 5mM AgNO₃ (d) 7mM AgNO₃ (e) 10mM
 22 AgNO₃ in the synthesis of AgNPs.



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24 Fig. S5 EDX point analysis of AgNPs stored in dark conditions at room temperature in different
 25 time intervals (scale bar 100 nm); the black circle in the electron images 1 refers to the region of
 26 origin of the corresponding spectrum 1, the red circle in the electron images 2 refers to the region
 27 of origin of the corresponding spectrum 2.