

رشته: محیط زیست

~~Darkening skin and mucous membrane due to a long-term exposure to a high amount of silver are regarded as t~~The only ~~side bad~~ effect of silver ~~is darkening skin and mucous membrane due to a long term exposure to a high amount of silver~~. Accordingly, by reducing this amount by using nanotechnology, no evidence ~~could is able to~~ prove ~~the~~ toxicity of silver nanoparticles for humans (5). ~~According to~~As shown in Table 1, the selected factors and levels to eliminate E. coli bacteria, ~~as seen,~~ are based on the Design Expert software ~~as the following~~. ~~From each factor, we determined and evaluated~~ Three levels of each variable including +1 (maximum), zero (middle number) and 1 - (Minimum) ~~were determined and evaluated for each factor~~ -

As ~~it was~~ already mentioned, ~~Table 4 shows when comparing three factors (disinfection density, contact time and bacterial count)~~, the highest ~~number in F ratio column is was related to~~ for disinfection density. Contact time and finally, ~~bacteria count~~the number of bacteria stand on the next levels meaning that disinfection density has the greatest effect on removal of E. coli and then contact time and ultimately ~~the number of bacteria~~ ~~bacterial count~~ are ~~more~~ effective.

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