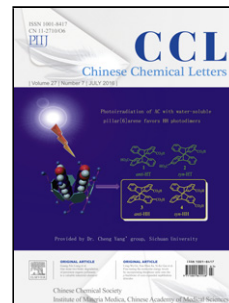


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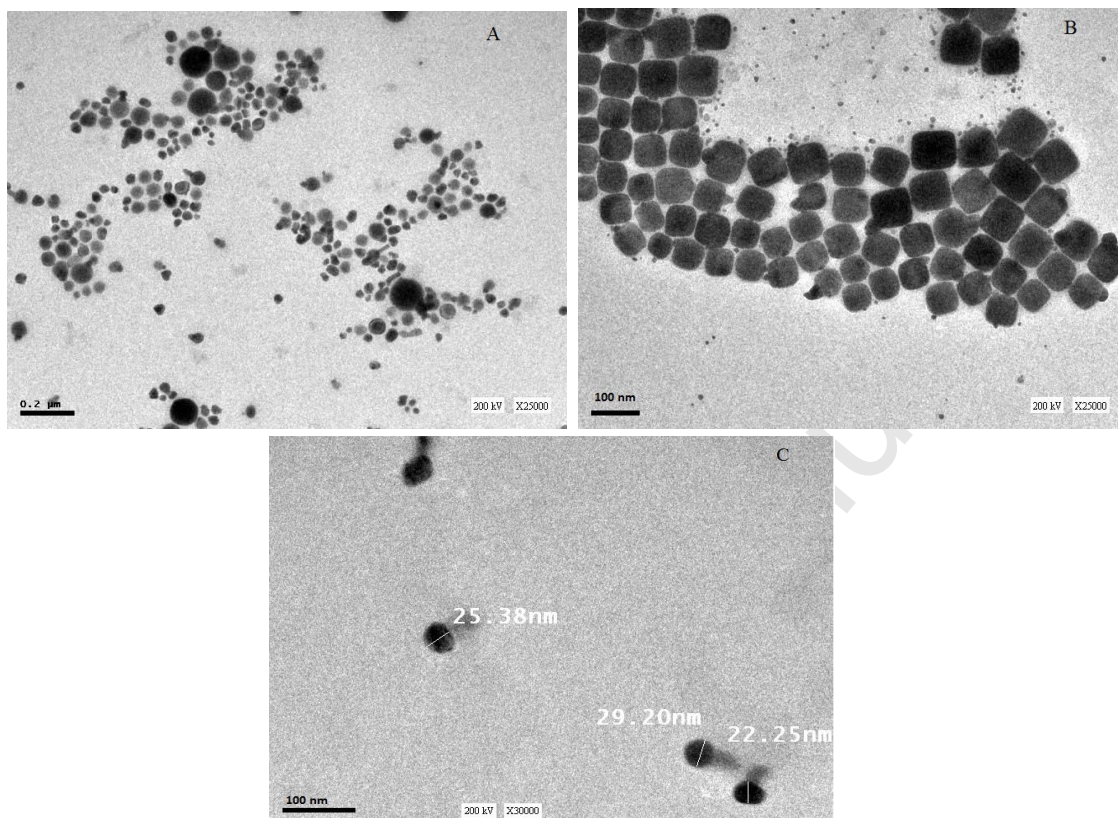
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Graphical Abstract



Three cationic surfactants have been prepared and used in the synthesis of silver nanoparticles. The hydrophobic chain length effect on the the stability and the amount of the formed silver nanopartiles. The silver nanoparticles enhanced the biological activity of the synthesized cationic surfactants.

Synthesis of newly cationic surfactant based on dimethylamino propyl amine and their silver nanoparticles: characterization; surface activity and biological activity

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