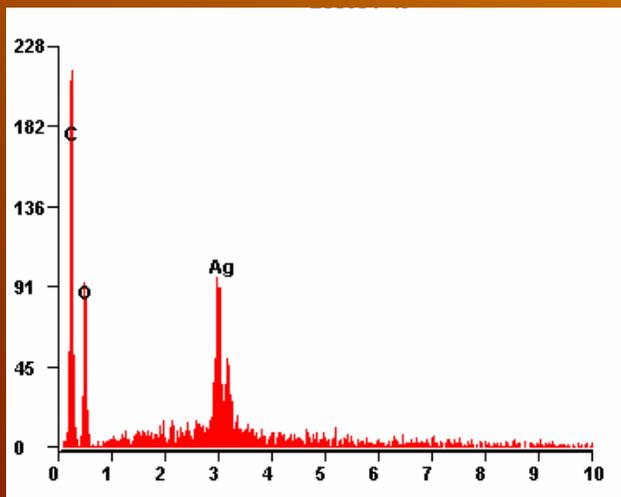
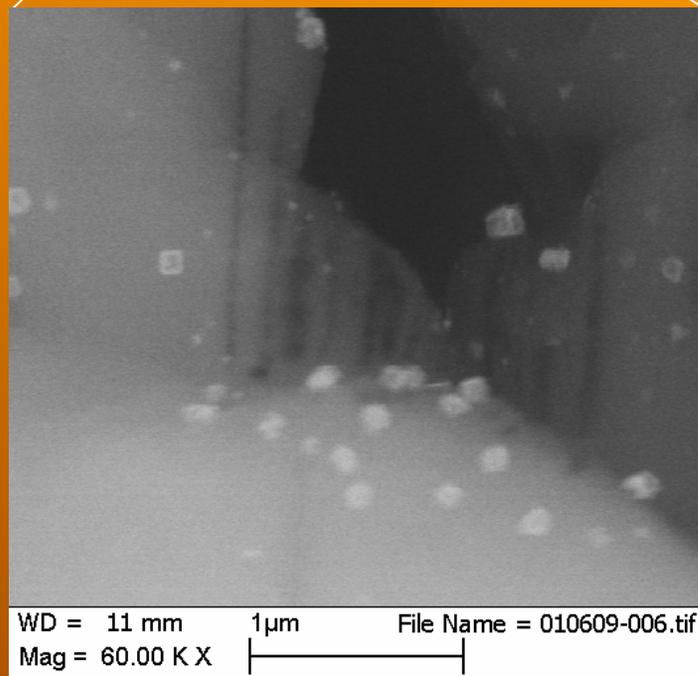
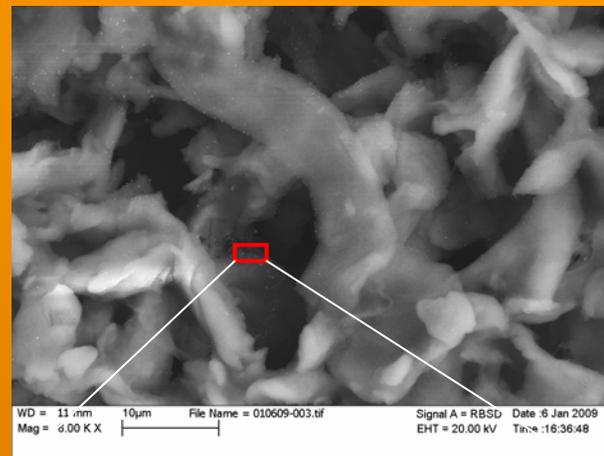


Formation of Silver Nanoparticles on Cellulosic Thin Layer Chromatography (TLC) Plate

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Treatment of cellulosic TLC plate (cellulose on aluminum backing) using silver nitrate followed by sodium borohydride

Scanning electron microscopy/energy dispersive analysis indicates formation of Ag crystallites 10 to 100 nm in size adherent to cellulose matrix



TLC plates will be used to measure interaction of organic molecules with silver nanoparticles (using TLC and Raman/FTIR micro spectroscopy)