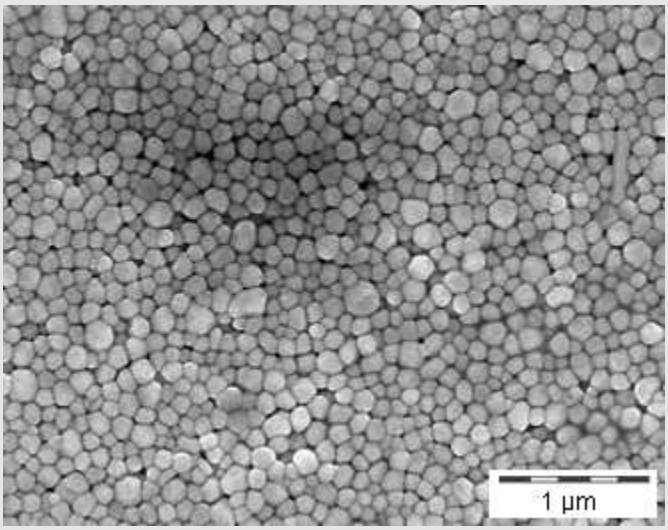
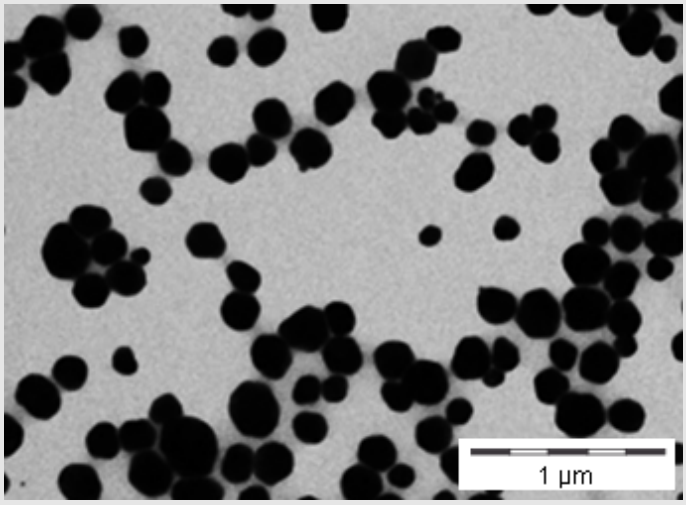
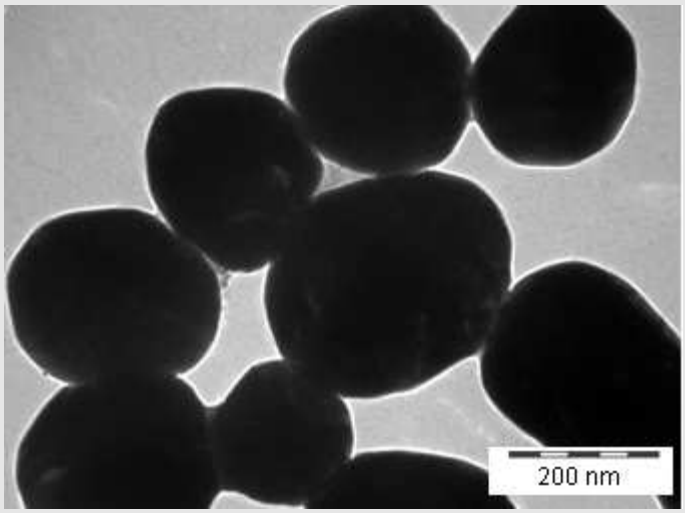
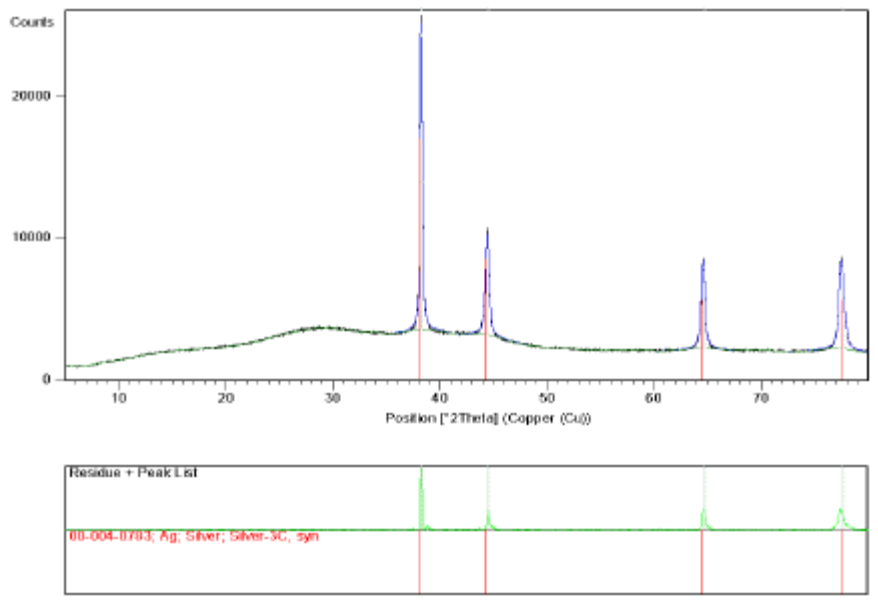
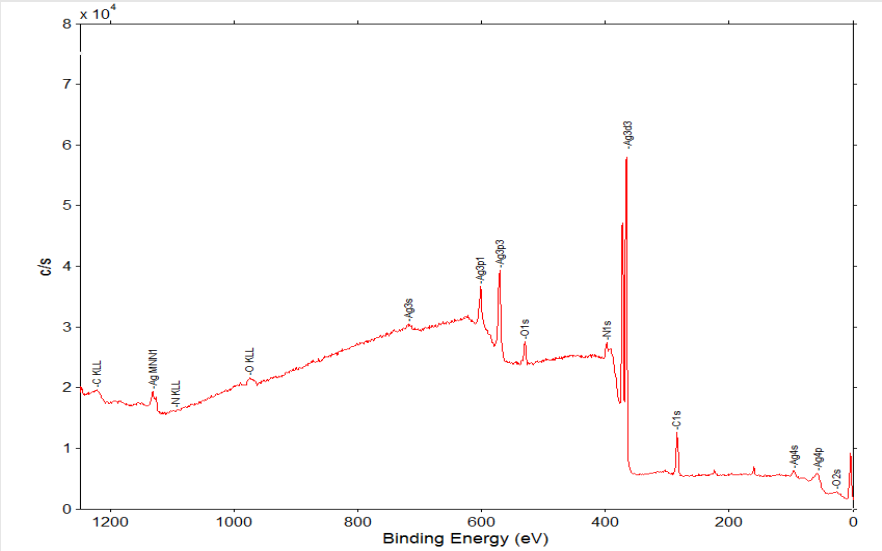
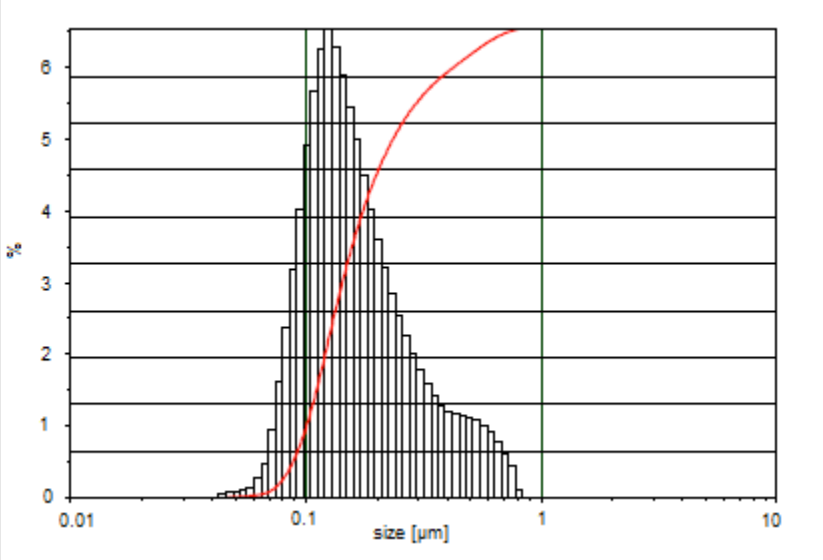
Material Ag (200 nm)

NanoTOES number	NanoTOES_Ag_200
Provider	Bayer Technology Services GmbH
Concentration	1 % (wt/wt) in water $1.94*10^{12}$ NPs/ml
Specific Surface Area	3.87 m^2/g
Size/ Size distribution & Agglomeration/ Aggregation state	DLS: (Correlation Func., Number Distribution) 272.5 nm +/-2.2 ; PDI= 0.136 TEM: d50= 168 nm, d90= 255 nm AC: d50= 150 nm, d90= 380 nm
Shape	quasi spherical
Crystal Structure	cubic
Surface Chemistry	XPS: Atom % C 58.1, O 18.0, Ag 15.4, N 7.5, Na 1.0 SIMS: Ag, Na, K, $C_xH_yO_z$
pH (in water)	6.0
Surface Charge	Zeta potential: - 5.5 mV+/- 0.5 IEP: ~ 4.2 pH

Scanning (Raster) Electron Microscopy (SEM)	
Transmission Electron Microscopy (TEM)	 

X-ray Diffraction (XRD)	
X-ray Photoelectron Spectroscopy (XPS)	

Analytical Ultracentrifugation (AC)	
Zeta Potential & Isoelectric Point