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Formation Mechanism and Microstructural Analysis of Silver Nanoparticles Synthesized by **Chemical Route using Sodium Borohydride**

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Abstract: Silver nanoparticles (Ag NPs) have synthesised by various methods. This research article presents Ag NPs synthesized using sodium borohydride reduction method and characterization X-ray diffraction (XRD), transmission electron microscopy (TEM). XRD data supported the crystalline nature of the Ag NPs. TEM images of Ag NPs displayed an approximate 28 nm spherical shape

Keywords: Silver Nanoparticles, Synthesis Route, Sodium Borohydride, XRD, TEM.

