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### Synthesis of Fluorescence emitting Ag-nanoparticles via Chemical reduction method

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**Abstract :** In the present work, the formation, morphology, and photophysical activity of Dithizone-capped Ag-nanoparticles (Ag-NP's) were carried. The Ag-NP's with uniform shapes and sizes are often obtained by the tactic proposed during this work. the tactic utilizes an easy reaction of iodide and Sodiumborohydride. The benefits of the tactic are the convenience of preparation, convenience in use, and particularly, that the obtained Ag-NP's are uniform in their shapes and sizes. The last point is vital for fluorescence measurements because the shapes and sizes of the metal nanoparticles are significant parameters.

**Keywords:** Fluorescence, Ag-nanoparticles, Chemical reduction method.

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