

## Name of the Technology: Commercial Process for the Recovery of High Purity Gold and Silver Process Waste

- Recovery of silver and gold (>99.5%) from process waste
- Preparation of high purity ( $\geq 99.95\%$ ) silver and gold
- Economical and eco-friendly recovery process
- No requirement of costly equipment for recovery

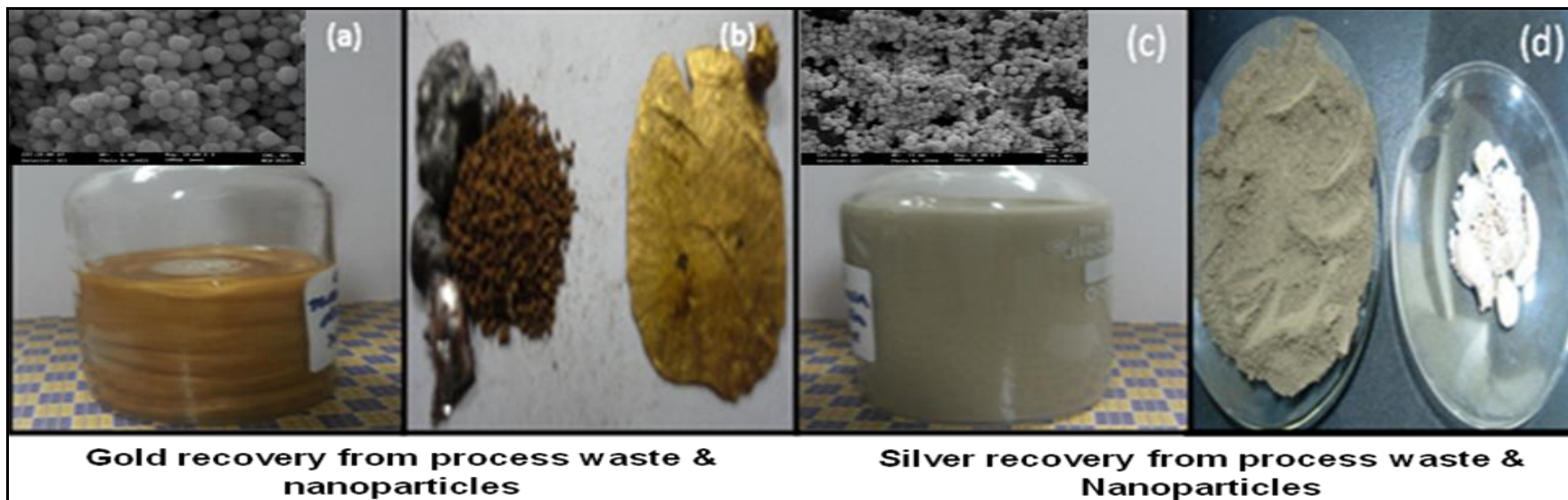


Figure showing recovery of high purity silver, gold and nanoparticles dispersed in water

**Summary:** Gold and silver are precious metals. The recovery of gold and silver is a challenging task. There are several metals which may be present in gold and silver. The recovery of gold and silver in presence of such metals is very tough and may leach out during purification process. We have developed process for the recovery of high purity of gold and silver. Besides this nanoparticles of these metals can be prepared in water/solvent medium for desired applications

**Applications:** recovery from process waste and nanoparticles preparation



**Advantages:** Low cost, highly effective, environment friendly process

**Choose the Readiness level of the Technology:**

Idea	Concept Definition	Proof of Concept	Prototype	Lab Validation	Technology Development	Technology Demonstration	Technology Integrated	Market Launch

**Related Patents:** Know-how

**Country:** Not applicable

**Publication Date:** Knowhow

**Grant Date:** Nil

**Year of Introduction:** 2010

**Broad Area/Category:** Industrial process

**User Industries:** Metal recovery industries