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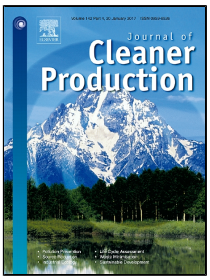


Cleaner and Large Scale Production of Silver Nanoparticles Mediated by Soy Protein Via Solid State Synthesis

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**Highlights**

- Facile method was used to prepare solid state silver nanoparticle (AgNPs).
- Soy protein isolate (SPI) was used both reducing and capping agent AgNPs synthesis.
- The growth of AgNPs was controlled by adjusting $AgNO_3$/NaOH and SPI loading ratios.
- High concentration of well stabilized AgNPs was successfully loaded to SPI.

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