

## GREEN SYNTHESIS OF SILVER NANOPARTICLES USING LEAF EXTRACT

### METHOD

Nanotechnology is the fastest growing area of manufacturing in the world today. Last few years nanoparticles are heavily used in cosmetics, medicines and food preservatives which come into direct contact to human. Diverse applications of silver nanoparticles are grabbed interests of many researchers. Nano particles can be synthesized using various approaches including chemical, physical, biological approaches. Plants provide a better platform for nanoparticle synthesis as they are free from toxic chemicals and provide natural capping agents. Here, green chemistry were employed for the synthesis of silver nanoparticles using leaf extract method. Silver is an effective antimicrobial agent which exhibits low toxicity. The most important application of silver nanoparticles is in medical industry such as tropical ointments to prevent infection against burn and open wounds. Silver nanoparticles play a profound role in the field of biology and medicine due to their attractive physiochemical properties. Silver products have long been known to have strong inhibitory and bactericidal effects, as well as a broad spectrum of antimicrobial activities, which has been used for centuries to prevent and treat various diseases, most notably infections like, antifungal, anti-inflammatory, antiviral, antiangiogenesis, and antiplatelet activity.

### Reference:

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