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Study of Antimicrobial Activity of Silver Nanoparticles Synthesized using Green and Chemical Approach

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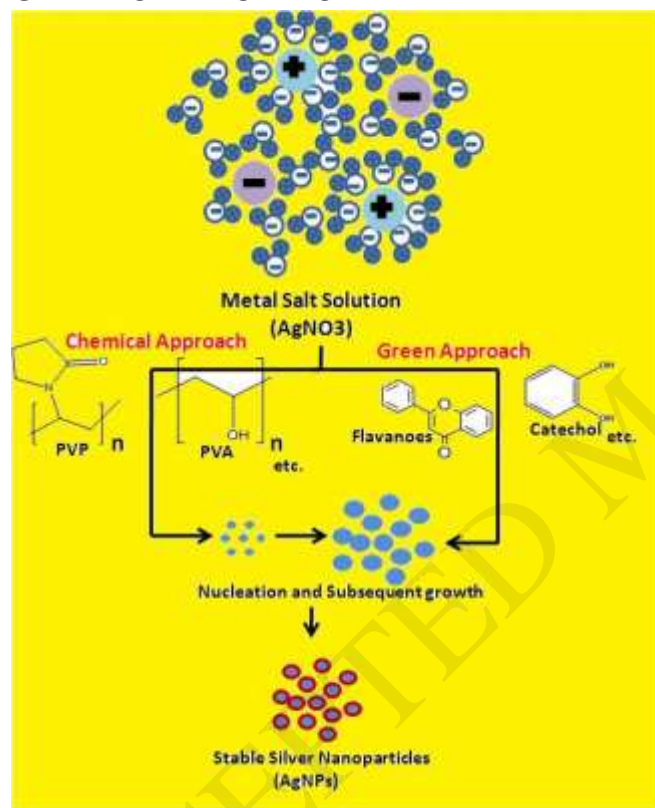
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GRAPHICAL ABSTRACT



Abstract

The antimicrobial activity of silver nanoparticles (AgNPs) prepared using root extracts of *Berginea ligulata* (Paashaanbhed), *Rheum australe* (Himalayan rhubarb) and *Selinum vaginatum* (Bhutakeshi) plants was compared with the antimicrobial activity of chemically synthesized AgNPs using Gelatin, Polyvinyl Alcohol (PVA) and Polyvinylpyrrolidone (PVP) against bacterial strains *Salmonella enteric typhi*, *Bacillus cerus*, and *Pseudomonas aeruginosa*. The physico-chemical characterization was carried out by employing UV-Vis spectrometry, Transmission electron microscopy (TEM), Fourier transforms infrared spectrometry (FTIR) and

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