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**Title:** Green synthesis of silver nanoparticles by Linum album, Linum flavum, and Stevia rebaudiana  
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Abstract: <p>Green synthesis techniques for various biomedical and biological applications could encourage production of other types of nanoparticles via green synthesis methods. In this study, silver nanoparticles (AgNPs) were prepared by three different plant species, <i>Linum album</i>, <i>Linum flavum</i>, and <i>Stevia rebaudiana</i>. AgNPs were prepared by three different plant species, <i>Linum album</i>, <i>Linum flavum</i>, and <i>Stevia rebaudiana</i>. Aqueous extracts of each plant (30 ml) were treated with 90 ml of silver nitrate solution (10 mM) and incubated for a definite time interval. The characteristic surface plasmon resonance of the nanoparticles was monitored at 420 nm by a spectrophotometer. The samples were then purified by several rounds of centrifugation at 12,000 rpm for 20 minutes. Size and morphology of the nanoparticles was analyzed by scanning electron microscopy (SEM). Comparison of the typical SPR band of nanoparticles showed that AgNPs are produced with a faster trend in the presence of <i>Linum flavum</i> extract. Results of this investigation could encourage production of other types of nanoparticles via green synthesis techniques, for various biomedical and biological applications. Presentation: Poster</p>