

## S2-1.10

# Effects of Green Silver Nanoparticles on CCl<sub>4</sub> Injured Albino Rats' Liver

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Nanoparticles green synthesis by plants and extracts is very cost-effective and can be used as an economic and environment friendly alternative in large-scale production. But the effect of these structures on the liver isn't fully investigated. In this study green silver nanoparticles (AgNPs) were synthesized by *O. araratum* 50% ethanol extract that has the highest antiradical activity. It was found that treatment by *O. araratum* extract leads to rats' liver structure normalization and normalization of liver injury markers' activity. Meanwhile, AgNPs at 20 mg/kg body weight dose leads to fibroblasts activation and fibrosis.