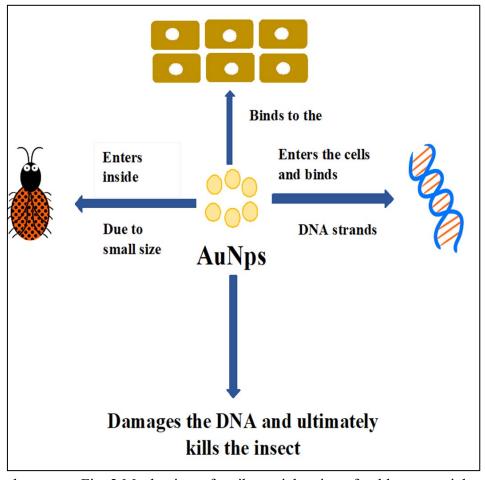
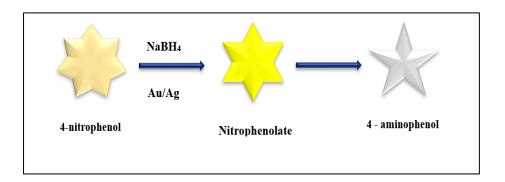


Supplementary Fig. 1 Pesticide detection by colorimetric method.



Supplementary Fig. 2 Mechanism of antibacterial action of gold nanoparticles.



Supplementary Fig. 3 4-Nitrophenol marked as pale-yellow converts to 4-Aminophenol, colorless.