

Metal nanomaterials, such as ZnO NPs, AgNPs, AuNPs, CuNPs, iron oxide nanoparticles (Fe₃O₄ NPs) and titanium dioxide nanoparticles (TiO₂ NPs), are widely used as promising nanocarriers for the antimicrobial drug delivery.⁷⁷ These nanoparticles also used as antimicrobial agents itself. Common metallic nanoparticles have been discussed in the following sections.