



Precious Metals in Nanomedicine: Assessing the True Value of Gold and Silver

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Message from the Guest Editors

Nanotechnology is a blooming field that facilitates the generation of nanomaterials and nanodevices for various applications in medicine, biotechnology, industry, chemistry, engineering and other fields. In particular, nanomaterials such as gold and silver are predominantly used in diagnosis and imaging in order to treat various diseases including infectious diseases and cancer, due to their high surface area, biocompatibility, stability, easy tailorability, surface plasmon resonance and multifunctional properties. Gold and silver are the most promising elements and can inhibit infectious microorganisms, and this effect can be enhanced further upon transformation. In addition, compared to the traditional anti-cancer drugs, gold and silver nanomaterials enable a targeted approach that prevents undesirable effects.





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