

Special Issue

Gold Nanoparticles for Biomedical Application

Message from the Guest Editor

Gold nanoparticles present a unique size and shape-dependent optical, catalytic, magnetic, and biological properties, which can be widely exploited in nanomedicine, from therapeutics to imaging, biosensing, and diagnostics. This Special Issue highlights the advances and challenges of gold nanoparticle-based systems for biomedical applications, including findings on new properties, particular advances concerning fundamental studies (bionano-interactions), new synthetic methods improving their use in biology (i.e., bioconjugation, surfactant-free, controlled scale-up, etc.), in vitro/in vivo translational studies, new mechanisms for colorimetric sensing, and portable diagnostic devices. Original works as well as review articles focusing on these topics are invited.

Guest Editor

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Deadline for manuscript submissions

closed (20 February 2023)



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Editor-in-Chief

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