Special Issue

Noble Metal Nanomaterials for Biomedical Applications

Message from the Guest Editors

Noble metal nanomaterials, such as gold-based nanomaterials, silver-based nanomaterials, platinum-based nanomaterials exhibit great potential in biomedical applications, such as biosensors, bio-imaging, drug delivery, and nanomedicine. This research topic aims to gather new developments, comprehensive studies, and future trends in using noble metal nanomaterials to solve various biomedical problems. Original researches are welcome from multidisciplinary research fields, with a focus on topics including, but not limited to:

- Synthesis, characterization, and biomedical applications of noble metal nanomaterials;
- Development of different types of noble metal nanomaterials that deals with enormous potential for advanced medical and clinical applications;
- Detection of tumor markers including exosomes, nucleic acids, protein markers, and so on;
- Early diagnosis of various diseases, such as blood disease, infectious disease, cancers;
- Basic and clinical methods, strategies, related mechanisms, machine learning, medical imaging, and so on.

Guest Editors

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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