

Special Issue

Next-Generation Nanoparticles: Innovations in Biomedical Applications and Theranostics

Message from the Guest Editor

Nanotechnology is a rapidly expanding field in medical sciences that has various applications in the health sector, particularly for the production of bioactive nanomaterials such as nanoparticles (NPs) and nanoconjugates for controlling several diseases. Green nanotechnology-based NPs and nanoconjugates have attracted huge interest because of their extensive biomedical applications. There are numerous types of nanoparticles, such as silver NPs, gold NPs, zinc oxide NPs, titanium dioxide NPs, cobalt NPs, copper (II) NPs, iron NPs, lithium NPs, and magnesium NPs, etc. The core features of these NPs are their small size with large surface area, modification capability, polarity, and property diversity. The application of these bioactive nanoparticles in the biomedical field offers many revolutionary solutions in the development of multi-functionalized drugs and products to control various diseases.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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