

Special Issue

Advances in the Application of Nanoparticles in Biomedical and Ecology Systems

Message from the Guest Editor

The modern development of nanomaterials makes it possible to extend their application to the most diverse aspects of human life. Due to their small size, nanoparticles possess unique physico-chemical and electronic properties, which are used in the agriculture, manufacturing, cosmetic, food and pharmaceutical industries. Nanotechnology has also significantly contributed to improvements in tissue engineering and regenerative medicine. Designing nanomaterials for specific applications has now become a research priority; these applications include drug delivery, the creation of biocompatible and/or antibacterial materials and coatings, as well as materials for tissue regeneration, wound healing and sorption, and the water purification of pharmaceutical contaminants. In this Special Issue, we aim to collect papers on recent advances in the application of nanoparticles and nanoparticle-based nanomaterials for use in drug delivery, as drug sorbents, and in other biomedical and environmental applications.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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